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1931

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FEB 3 1931 ★

Monarch
SEED & FEED CO.

MEDFORD
OREGON

"Everything
for your Garden
but the Rain"

Vegetable Seed Trials

GALLOWAY LITHO. CO. S. F.
MADE IN U. S. A.

Monarch Seed & Feed Co.

Medford, Oregon

We have prepared this catalog for the market and home gardener, for those interested in poultry, and the general farmer and home owner. Listing:

Seeds, Poultry and Bee Supplies, Insecticides

WE SHIP BY PARCEL POST ANYWHERE

Parcel Post Rates

Pounds	LOCAL 1st and 2d Zones 1 to 150 miles	Third Zone 151 to 300 miles	Fourth Zone 301 to 600 miles
1	\$.07	\$.08	\$.09
2	.08	.10	.13
3	.09	.12	.17
4	.10	.14	.21
5	.11	.16	.25
6	.12	.18	.29
7	.13	.20	.33
8	.14	.22	.37
9	.15	.24	.41
10	.16	.26	.45

Notes About Parcel Post

Poisons cannot be sent by mail.

Weight limit in first, second and third zones, 70 pounds; in other zones, 50 pounds.

Liquids and goods packed in glass should be sent by express.

Customers Please Take Notice

Our Terms Are Strictly Cash With Order.

We prefer not to send seeds C. O. D., unless order is accompanied by at least one-third of the amount of the order.

How to Remit. Send postal money order, express money order, or check. Stamps will do if your order is for a small amount.

Free Delivery. We prepay postage on all seeds purchased by the packet, ounce, quarter-pound, half-pound and pound, unless otherwise noted. Be sure to add postage to those items not postpaid.

Lower Freight Rates and Quick Shipments. For large orders, shipments by freight are much cheaper than by express.

Errors. We exercise every care in handling your orders, but should an error occur, kindly write us at once, and we will adjust it promptly.

You Run No Risk in sending cash with order. Our reputation as honest and reliable seedsmen is well known, while our financial standing may be learned from any merchant who subscribes for commercial-agency reports.

All prices in this catalog are subject to change without notice.

Reports—Good or Bad. Will you help us to attain greater success by writing and telling us how our Seeds and Supplies reach you, how they grow and how you like them? We will certainly appreciate it. Your criticisms, if you have any, as well as your praises, are desired.

Non-Warranty—Most of the failures with seeds are due to causes entirely beyond our control, such as unfavorable weather or soil conditions, too deep or too shallow planting, etc., which renders it impossible for us to guarantee success, and although we take all possible care to supply only such goods as will, under proper conditions, produce satisfactory results, we still give no warranty as to description, quality or productiveness of any of the seeds we send out, and will not be in any way responsible for the crop. If the purchaser does not accept the goods under these conditions, they are to be at once returned.

WE DO NOT GUARANTEE REPLACEMENT OF GOODS SENT BY MAIL. An additional remittance of five cents will insure any mail package.

FREE GLADIOLUS BULBS!

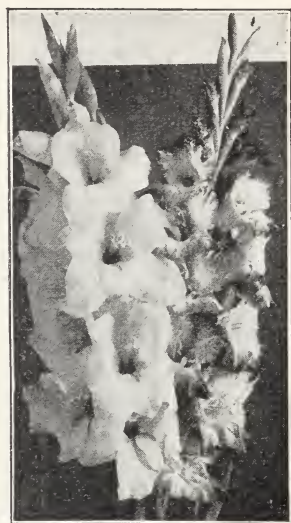
With Your Vegetable and Flower Seed Order

With each \$1.50 worth of vegetable or flower seeds we will include with your order a dozen of these fine mixed Gladiolus Bulbs. If your order amounts to \$3.00 you will receive, absolutely free of charge, two dozen of these bulbs and so on to cover your full order, whether it is for \$1.50 or \$15.00.

We take this means of showing our appreciation of your kind business. This mixture is made up of the finer sorts of glads and will enhance your garden beyond words.

This free offer does not apply to orders for field seeds, poultry or garden supplies; just on orders for vegetable and flower seeds.

A Dozen Bulbs Free with Each \$1.50 Worth of Vegetable or Flower Seeds



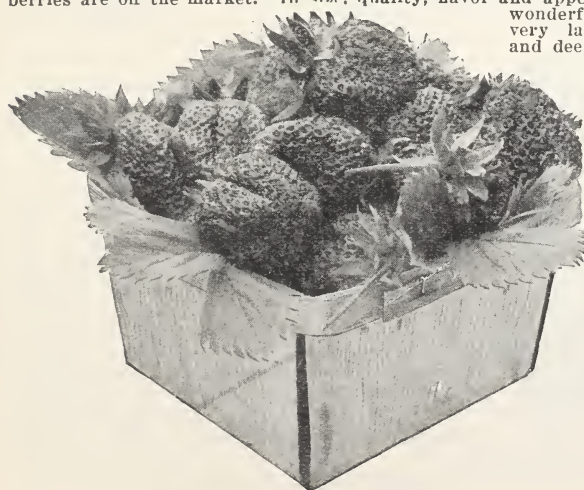
Gladiolus

MASTODON Strawberry Plants

(Officially Inspected—Disease Free)

THE WORLD'S GREATEST EVERBEARING STRAWBERRY!

Nothing like it has ever been achieved before. MASTODON produces a bumper crop from early spring to late fall, being particularly prolific during August, September and October when other berries are off the market. In size, quality, flavor and appearance, MASTODON heads the list. This



wonderful berry, unlike other everbearers, has very large plants; vigorous, heavily crowned and deep rooted. Plants set in February, March or April will be in full bearing by mid-summer, and going strong in the fall. Many of the berries grow as large as a silver dollar, and are just as perfect. Mastodon is the real marvel in Strawberry. It does not require special soil, petting or care. Just plant them out this Spring in ordinary soil that will produce good garden or farm crops, give them only ordinary care, keep the blossoms cut off until July 1, and you'll have a heavy crop of the finest berries from mid-summer on to freezing weather.

Our plants are large, vigorous, healthy; heavily rooted; have large, full crowns; carefully grown and are free from disease and pests.

Prepaid: Dozen 50c; 25, \$1.00; 50, \$1.50; 100, \$2.50.

Not Prepaid: Dozen, 35c; 25, 75c; 50, \$1.25; 100, \$2.00.

Kind of Vegetables	Seeds or Roots Required for 100 feet of Drill	One Acre	Distance for Plants to Stand			Depth of Planting	Ready for Use After Planting—About
			Rows Apart		Plants Apart in Rows		
			Horse Cultivation	Hand Cultivation			
Asparagus seed.....	1 ounce.....	5 lbs.....	30 to 36 in.	1 to 2 ft.	3 in.....	1 in.....	2 years
" roots.....	30 to 80 roots		3 to 5 ft.	12 to 24 in.	15 to 20 in.	3 to 5 in.....	1 year
Beans, dwarf.....	1¼ lbs.....	80 to 125 lbs.....	30 to 36 in.	18 to 24 in.	2 in.....	1 to 3 in.....	42 to 75 days
Beans, pole.....	½ lb.....	40 lbs.....	3 to 4 ft.	3 to 4 ft.	12 in.....	1 to 3 in.....	72 to 90 days
Beets.....	2 ounces.....	6 lbs.....	28 to 36 in.	12 to 18 in.	2 in.....	1 in.....	45 to 60 days
Brussels Sprouts.....	3 pkts.....	2 ounces.....	30 to 36 in.	24 to 30 in.	16 to 24 in.	½ in.....	100 to 120 days
Cabbage, early.....	3 pkts.....	½ lb.....	30 to 36 in.	24 to 30 in.	12 to 18 in.	½ in.....	90 to 110 days
" late.....	3 pkts.....	½ lb.....	30 to 40 in.	24 to 36 in.	16 to 24 in.	½ in.....	110 to 120 days
Carrot.....	1 ounce.....	4 lbs.....	30 to 36 in.	18 to 24 in.	2 in.....	½ in.....	55 to 80 days
Cauliflower.....	3 pkts.....	1 ounce.....	30 to 36 in.	24 to 30 in.	14 to 18 in.	½ in.....	120 to 150 days
Collards.....	3 pkts.....	¼ lb.....	30 to 36 in.	24 to 30 in.	14 to 18 in.	½ in.....	100 to 120 days
Corn, sweet.....	½ lb.....	10 lbs.....	36 to 42 in.	30 to 36 in.	18 in.....	1 in.....	55 to 90 days
Cress, water.....	1 pkts.....		Broadcast..			Under water.....	60 to 70 days
Cucumber.....	½ ounce.....	2 lbs.....	4 to 6 ft.	4 to 6 ft.	4 every 3 ft.	1 in.....	50 to 70 days
Eggplant.....	2 pkts.....	¼ lb.....	30 to 36 in.	24 to 30 in.	18 in.....	½ in.....	125 to 140 days
Endive.....	1 ounce.....	2 lbs.....	30 in.....	18 in.....	12 in.....	½ in.....	100 days
Horse Radish.....	70 roots.....		30 to 40 in.	24 to 30 in.	20 in.....	3 to 4 in.....	1 year
Kale, or Borecole.....	3 pkts.....	1 lb.....	30 to 36 in.	18 to 24 in.	18 in.....	½ in.....	55 to 60 days
Kohl-rabi.....	3 pkts.....	1 lb.....	30 to 36 in.	18 to 24 in.	6 in.....	½ in.....	55 to 70 days
Leek.....	½ ounce.....	4 lbs.....	30 to 36 in.	14 to 20 in.	4 in.....	½ in.....	120 to 150 days
Lettuce.....	½ ounce.....	2 lbs.....	30 in.....	12 to 18 in.	6 in.....	½ in.....	70 to 90 days
Muskmelon.....	½ ounce.....	2 lbs.....	6 to 8 ft.	6 to 8 ft.	4 every 4 ft.	1 in.....	85 to 150 days
Watermelon.....	1 ounce.....	3 lbs.....	8 to 12 ft.	8 to 12 ft.	4 every 6 ft.	1 in.....	100 to 130 days
Mustard.....	3 pkts.....	1 lb.....	30 to 36 in.	12 to 18 in.	4 or 5 to ft.	¼ in.....	60 to 90 days
New Zealand Spinach.....	1 ounce.....	8 lbs.....	33 in.....	24 to 36 in.	12 in.....	1 to 2 in.....	60 to 100 days
Okra.....	2 ounces.....	8 lbs.....	4 to 5 ft.	3 to 4 ft.	24 in.....	1 in.....	90 to 140 days
Onion, seed.....	1 ounce.....	3 lbs.....	24 to 36 in.	12 to 18 in.	2 in.....	½ in.....	125 to 150 days
Onion, sets.....	1 qt. of sets.....	50 lbs.....	24 to 36 in.	12 to 18 in.	4 or 5 to ft.	1 in.....	100 days
Parsley.....	3 pkts.....	3 lbs.....	24 to 36 in.	12 to 18 in.	3 in.....	½ in.....	65 to 90 days
Parsnip.....	½ ounce.....	3 lbs.....	30 to 36 in.	18 to 24 in.	2 in.....	½ in.....	130 days
Peas.....	1 lb.....	60 lbs.....	3 to 4 ft.	30 to 36 in.	1 in.....	1 in.....	45 to 75 days
Pepper.....	2 pkts.....	2 ounces.....	30 to 36 in.	18 to 24 in.	15 in.....	½ in.....	130 to 150 days
Potatoes, Irish.....	5 lbs.....	16 bu.....	30 to 36 in.	24 to 36 in.	14 in.....	4 in.....	90 to 150 days
" Sweet.....	3 lbs. (or 75 slips).....		3 to 5 ft.	3 to 5 ft.	14 in.....	3 in.....	150 days
Pumpkin.....	½ ounce.....	4 lbs.....	8 to 12 ft.	8 to 12 ft.	4 every 6 ft.	1 in.....	75 to 90 days
Radish.....	1 ounce.....	10 lbs.....	24 to 36 in.	12 to 18 in.	1 in.....	½ in.....	20 to 75 days
Rhubarb, seed.....	½ ounce.....		36 in.....	30 to 36 in.	6 in.....	½ to 1 in.....	3 years
" roots.....	33 roots.....		3 to 5 ft.	3 to 5 ft.	3 ft.....	2 to 3 in.....	1 year
Ruta-baga.....	3 pkts.....	2 lbs.....	30 to 36 in.	18 to 24 in.	6 in.....	½ to 1 in.....	90 days
Salsify.....	1 ounce.....	8 lbs.....	30 to 36 in.	18 to 24 in.	2 in.....	½ in.....	150 days
Spinach.....	1 ounce.....	12 lbs.....	30 to 36 in.	12 to 18 in.	2 in.....	1 in.....	45 days is min.
Squash, Summer.....	½ ounce.....	1 lb.....	3 to 4 ft.	3 to 4 ft.	4 every 4 ft.	1 in.....	65 to 70 days
Tomato.....	2 pkts.....	1½ ozs.....	3 to 5 ft.	3 to 4 ft.	3 to 4 ft.....	½ in.....	125 to 150 days
Turnip.....	1 ounce.....	1 lb. sown Er'dcast 3 lbs.....	24 to 36 in.	18 to 24 in.	2 in.....	¾ in.....	45 to 90 days



CYANOGAS for the control of Ants, Rats, Fleas, Moles, Gophers, Snails and Slugs, Digger Squirrels and many other pests. **Cyanogas** kills by giving off a poison gas on exposure to the moisture in the air or soil. This characteristic makes it easy to apply. The residue after the gas has escaped is largely ordinary slaked lime which is harmless to stock. To kill Moles, open runways at intervals of 15 to 25 feet; and put in a tablespoonful of **Cyanogas**. Leave the hole open and see results. An application of **Cyanogas** to the infested area will quickly rid the garden of slugs or snails. Price on larger quantities upon application. **Cyanogas** is a poison and cannot be sent through the mails.

Pound Can, 75c; Half Pound Can, 50c.

Special Prices to market gardeners. Write us for prices.

Vegetable Seeds Dwarf or Bush Beans

One pound will plant a row 100 feet long; about 1¼ bushels to the acre.

HOW TO GROW DWARF or BUSH BEANS—Make the rows 18 inches or 2 feet apart, and drop the beans 4 inches apart in the row. If the soil is warm and loose, plant 2 inches deep; if rather cold and wet, plant only one inch deep. Beans, especially the yellow-podded varieties, will rot very easily if planted when the soil is wet and the atmosphere is cold. If you do not want to run the risk of replanting them, do not plant your beans until the soil is warm. Cultivate often but never when the plants are wet, as this brings on rust. Pick the beans as fast as they become fit for use; this makes them bear longer.

Green Podded Varieties

Unless otherwise noted

Prices postpaid. Pkt. 10c; ½ lb. 25c; 1 lb. 45c; 10 lbs. \$3.50.

MONARCH IMPROVED STRINGLESS GREEN-POD—A very desirable dwarf green-podded sort for home garden and largely grown for the market. Plants are large, spreading and productive. Pods are medium green, 5 to 6 inches long, cylindrical, of high quality and remain crisp and tender a long time. Seeds are of a medium size and length and brown. Second to none as a home garden bean. Pkt. 20c; ½ lb. 30c; 1 lb. 50c; 10 lbs. \$4.00.

EXTRA EARLY REFUGEE—Medium sized round light green pods of good quality. Early and of good flavor. Plants are a little smaller, more upright and the leaves larger than those of the late Refugee. Our stock is uniform, the vines ripening pods well together and long before those of Refugee or Thousand to One. This is an excellent snap bean for early market and stands shipment well.

REFUGEE or 1000-TO-1 — Our Selected Strain. If there is a dwarf bean so prolific as our selection of Refugee we have never found it. As many as 150 pods are found on one vine. These pods are long and green, becoming lighter in color as they mature. Not an extra early bean, but a hardy one and an extra heavy bearer. The quality is good. Grown widely for market, because it is profitable. Not entirely stringless.

EXTRA EARLY RED VALENTINE—A popular variety; erect vine with dark green leaves. Pods of medium length; fleshy, round and saddle-backed, with only slight strings.

Wax or Yellow Podded

Monarch Golden Wax A very popular variety.

The plants are hardy and very productive. Pods are long, nearly straight, broad and flat, and golden yellow; seed white, more or less covered with two shades of purplish red. None will be found better in all ways than our selection of Golden Wax.



Extra
Early
Refugee

DAVIS WHITE WAX—An extremely hardy, productive, white-seeded, wax-podded sort. You can't go wrong on this fine bean. A good shell bean.

IMPROVED PROLIFIC DWARF BLACK WAX—Dwarf bush growth and very prolific. One of the earliest. Pods 4 to 5 inches long, usually curved, quite round; meaty, brittle and stringless; deep golden yellow of excellent flavor.



Jack Morris, gardener of Talent, Oregon, says: "I'm certainly pleased with Monarch seeds. Every lot of seed I purchased proved to be first-class in every respect."

To the left is a picture of Jack proudly displaying a Purple Top White Globe Turnip raised from our seed. A perfect specimen and Jack had a big crop of turnips just like the one pictured.

Fertilizers Pay Big Dividends—Write us for Information on their uses.

Beans—(Continued)

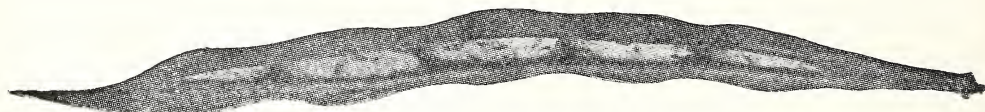
Pole or Running Varieties

Prices postpaid, pkt. 10c; ½ lb. 25c; 1 lb. 45c; 10 lbs. \$3.50, unless otherwise noted.

CULTURE—One pound will plant 50 hills, 30 pounds per acre. The soil should be mellow, rich and warm. Lay the ground out in hills 4 feet apart each way, and set poles 8 to 10 feet long firmly in the hills before planting the seed. Plant 5 or 6 beans in a hill and cover about 2 inches deep; leave three plants at each pole, and when a few inches high draw a little earth around them as support. Set the poles before the plants have grown to large size; many gardeners consider it an advantage to set the poles when planting, thus avoiding disturbing the small plant or its roots.

**INOCULATE THIS
SEED WITH
STIMUGERM**

See Page 23



London Horticultural or Speckled Cranberry Bean

LONDON HORTICULTURAL or SPECKLED CRANBERRY—One of the best of the Horticultural varieties as a general purpose late green shell bean for home or market. The vines are moderately vigorous with large, light colored leaves. The pods are medium length, four and one-half to five and one-half inches, pale green when young, becoming as they mature yellowish green striped or splashed with red. The beans are large, ovate, flesh colored, splashed and spotted with wine-red and of the highest quality, either green or dry. Many like this sort better than limas. Pkt. 15c; ½ lb. 35c; lb. 60c.

MONARCH KENTUCKY WONDER WAX—This vigorous wax podded pole bean is similar to the green Kentucky Wonder, but the pods are a trifle broader and stringless. If you have never tried this pole bean, do so as it is worthy of space in your garden. Pkt. 10c; ½ lb. 25c; lb. 45c.

SCARLET RUNNER—Very popular Eng-

lish pole bean; free climber. Attractive as a porch or trellis climber.

KENTUCKY WONDER OR OLD HOME-STEAD—A vigorous climber; very prolific, bearing in clusters extremely long and very fleshy; succulent pods, flat, thick and remarkably tender. A main cannery stock bean.

NAVY BEANS—A small white bean grown and harvested as a dry bean. This is the most popular of the dry beans. Dwarf, field bean. Per lb. 35c.

OREGON GIANT GREEN POD—

Pods measuring 10 to 12 inches are stringless, tender and crisp deliciously flavored. Oregon Giant is a strong grower and yields heavily, bearing its enormous pods in great clusters. The color is a light greenish yellow, splashed red. Pkt. 20c; ½ lb. 35c; lb. 60c; postpaid.

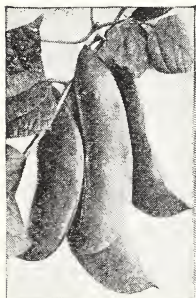
Lima Beans

Prices postpaid, Pkt. 15c; ½ lb. 35c; 1 lb. 60c.

KING OF THE GARDEN—One of the best and most popular main crop varieties. It is medium early and has very long pods, 5½ to 6½ inches long, which are well filled with four or five good-sized beans. A climber.

OREGON POLE—An excellent variety for Southern Oregon and Northern California. Strong, vigorous grower. In July the blooms come in long panicles from the top shoots and the large, broad pods are freely produced until frost. They are in "prime" condition when the pods begin to turn yellow. Acclimated seed. A climber.

BURPEE'S BUSH LIMA—They grow into branching circular bushes, 18 to 20 inches high and 2 to 3 feet across. The strong constitution of the plant is shown in its stout, thick stalks and large, deep green, leathery leaves, as much as in its enormous yield of thick, broad, handsome pods, which are as large and well filled as those of the Pole Limas.



**Don't Cultivate
Beans when wet
—they will rust.**

Market Gardeners Write for Quantity Prices.

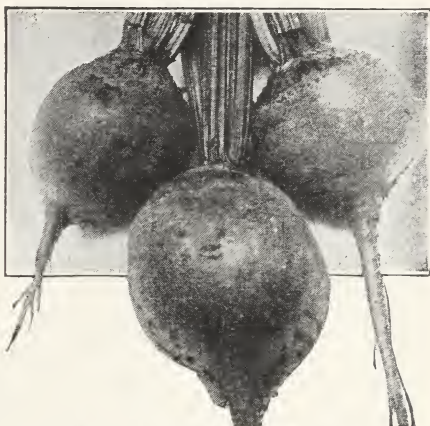
SPECIAL PRICES TO MARKET GARDENERS. WRITE FOR PRICES.

Beets

CULTURE—Well enriched, light soil is best adapted for the culture of beets. Sow in drills 1 foot apart and cover half inch. It is important that the earth be pressed firmly about the seed. When the plants are large enough, thin to 4 inches apart. Use thinnings for greens if desired. For early crop, sow as soon as the ground can be worked, and continue for succession until the first of July. Liberal manuring should be done for Mangels and Sugar Beets. They should stand 10 to 12 inches apart in the rows.

Monarch Detroit Dark Red This is one of the best for market and home garden, and on account of its uniformly deep rich color the most desirable for canning. The roots are medium sized, globular, very smooth and dark blood red color. A desirable variety for bunching. Pkt. 10c; oz. 20c; $\frac{1}{4}$ lb. 40c; 1 lb. \$1.00.

EXTRA EARLY EGYPTIAN — A blood turnip beet, excellent for first early crop outdoors. The roots are very dark red, moderately thick, a little rounded on top, and flat on the bottom and about two inches in diameter when mature. Flesh, dark, purplish red zoned lighter shade; firm, crisp and tender. Popular for market gardeners but not as desirable for home garden as some of the later sorts. Pkt. 10c; oz. 20c; $\frac{1}{4}$ lb. 40c; 1 lb. \$1.00.



Monarch Detroit Dark Red

MONARCH IMPROVED BLOOD TURNIP—A turnip shaped beet with deep red flesh. Tops green. A fine selected strain. The quality of our strain is unusually good; the texture being fine and even and the roots superior in every way. We recommend this as a most excellent sort for home or market planting. Beets are regular and finest appearance. Pkt. 10c; oz. 20c; $\frac{1}{4}$ lb. 45c; 1 lb. \$1.25.

SWISS CHARD OR SEA KALE—Grown exclusively for its leaves. The middle of the leaf can be used and served like asparagus, the rest of the leaf like spinach. Pkt. 10c; oz. 20c; $\frac{1}{4}$ lb. 45c; 1 lb. \$1.25.



Medford Garden Club's entry in the Armistice Day parade last fall. If you have a garden club in your neighborhood, join it and help further a campaign to beautify your community.

Mangel-Wurzels

QUANTITY PRICES ON APPLICATION

GIANT HALF-SUGAR MANGEL. Very desirable for stock feeding, affording not only a very large crop much easier to harvest than other sorts, but also having higher nutritive value, being especially rich in sugar. Growing partly out of the ground they are easily harvested. Oz. 10c; $\frac{1}{2}$ lb. 50c; 1 lb. 75c.

MAMMOTH LONG RED—The largest of all mangels and the heaviest cropper. Skin is red, flesh white, zoned with red. This variety produces a larger amount of good feed than any other beet and is recommended as superior to all others. Oz. 10c; $\frac{1}{2}$ lb. 50c; 1 lb. 75c.

GOLDEN TANKARD—Yellow fleshed. Grows partly above ground. The flesh is very solid, yellow-zoned white. Makes a fine feed and cattle do not tire of it. Oz. 10c; $\frac{1}{2}$ lb. 50c; 1 lb. 75c.

DANISH SLUDSTRUP—Long, reddish-yellow, grows well above the ground and is easy to pull. Has repeatedly been awarded a first class certificate by Danish Government. Sludstrup is a heavy cropper and dairymen are using it in increasing amounts each year. Oz. 10c; $\frac{1}{2}$ lb. 50c; 1 lb. 75c.

Tune in on KMED "The Voice of a Great Country"

Every Monday and Friday—12:00 to 12:30 P. M.

Cabbage

CULTURE—The earliest cabbages may be enjoyed in May from seeds sown in the house or hot-bed. Early Jersey Wakefield matures in 90 days, and later varieties in 100 to 115 days. Both early and mid-season varieties should be started in house or hot-bed, and for late or Fall varieties sow the seed in the seed bed in May and early June. Plenty of room should be given plants, at least two feet each way. They need a light and well watered soil, rich in nitrogen. Frequent applications of nitrate of soda or sulphate of ammonia or some other nitrogenous fertilizer will work wonders. Cabbage worms may be kept off by dusting with our Sulfo-Lead dust or spraying with arsenate of lead.

FIRST EARLY SORTS

Monarch Copenhagen Market

SPECIAL STRAIN—Heads average around ten pounds each in weight, are hard and solid with small core. Quality is extra fine and sweet; matures early as Wakefield and yields more per acre in weight. It is a short stemmed variety, the heads nearly resting on the ground. Leaves are light green, rather small, saucer-shaped and tightly folded, making it possible to set them close together in the field. Pkt. 10c; oz. 40c; $\frac{1}{4}$ lb. \$1.50; 1 lb. \$5.00.

EARLY JERSEY WAKEFIELD — The best early variety. Heads of medium size, pyramidal, pointed, firm and solid, with few outside leaves; very uniform in shape, size and time of maturing; excellent for market. Pkt. 10c; oz. 35c; $\frac{1}{4}$ lb. \$1.00; 1 lb. \$3.25.

EARLY WINNINGSTADT—A sugar-loaf variety some three weeks later than the earlier sorts; grows to a good size and does better than other sorts on light soil. Pkt. 10c; oz. 40c; $\frac{1}{4}$ lb. \$1.25; 1 lb. \$3.75.

EARLY DWARF FLAT DUTCH—Everyone knows its quality. Pkt. 10c; oz. 35c; $\frac{1}{4}$ lb. \$1.25; 1 lb. \$3.75.

LATE SORTS

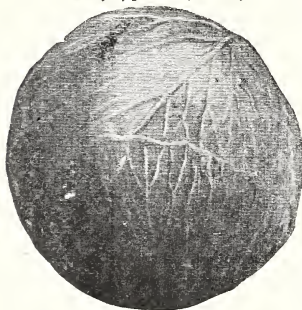
GIANT LATE FLAT DUTCH—This is superior to any other late cabbage in cultivation. It possesses all the good qualities of the Late Flat Dutch of popular favor, but attains greater size and weight and is a sure header. Flattish round heads, very solid and firm; has rather tall stout stem. Pkt. 10c; oz. 40c; $\frac{1}{4}$ lb. \$1.25; 1 lb. \$3.75.

DANISH BALLHEAD or HOLLANDER

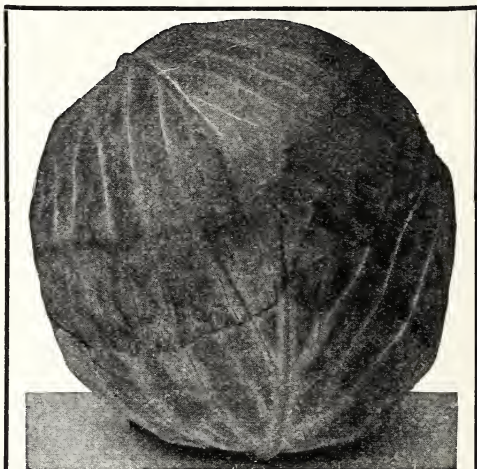
—A very late variety forming globular heads; very hard and solid. Keeps well and is a good shipper. Color bluish-green. Pkt. 10c; oz. 35c; $\frac{1}{4}$ lb. \$1.25; 1 lb. \$3.75.

MAMMOTH ROCK RED

Used for pickling. The heads are very fine and remarkably sure heading. This we believe to be the best red cabbage. Pkt. 10c; oz. 40c; $\frac{1}{4}$ lb. \$1.50.



Danish Ballhead



Golden Acre Cabbage

Among the many new varieties of vegetables being constantly offered there is an occasional one of real merit. The Golden Acre Cabbage is one of this kind. For the past four years trial grounds have shown the Golden Acre Cabbage to be a week or ten days earlier than any of the early round headed sorts. It is also very uniform in heading, permitting the taking advantage of early markets at high prices. It has a round, very solid, medium green head.

We have been hearing from some of our customers who have received entire satisfaction from this excellent sort. The seed of Golden Acre is grown for us under contract, with the originator, and we are paying a long price for the seed, in order that all possible care can be taken with it. If you want an extra-early variety that is good in every way, the Golden Acre is the one to buy. Pkt. 15c; $\frac{1}{2}$ oz. 35c; oz. 60c; $\frac{1}{4}$ lb. \$2.00; 1 lb. \$6.00, postpaid.

We sell thousands of Cabbage plants each season. Write for prices.

Brussels Sprouts

DWARF IMPROVED — A carefully grown strain; very hardy and giving compact, round sprouts of large size and good quality. Pkt. 10c; oz. 30c; $\frac{1}{4}$ lb. \$1.00.

Broccoli

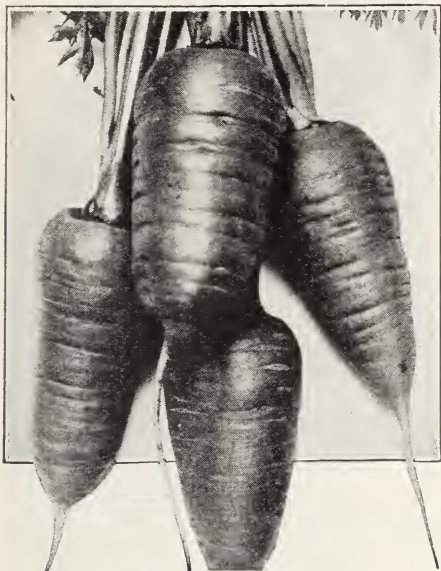
CULTURE—Plant in open ground in May and June, transplanting later when plants are of sufficient strength and size to place in field. Culture same as for Cabbage or Cauliflower.

ST. VALENTINES — Fine quality, immense header; ready for market early. Heads remain in good condition longer than most varieties. Pkt. 15c; oz. \$1.50; $\frac{1}{4}$ lb. \$5.00

Sulphate of Ammonia Boosts Cabbage Yields.

SPECIAL PRICES TO MARKET GARDENERS. WRITE FOR PRICES.

CULTURE—Carrot seed can be sown early and late in Southern Oregon. As soon as the ground can be worked in Feb. carrots may be sown. They like a well cultivated and loamy soil. Use fertilizer liberally. Sow in rows (table varieties) 16 to 18 inches apart, and for field culture sow in drills 18 to 24 inches apart. Cover one-half to an inch deep and firm soil well over seed.



Monarch Coreless Carrots

CHANTENAY (SPECIAL STRAIN) — Conceded one of the best bunching sorts. It is nearly two weeks earlier than Danver's Half Long. Slightly shorter and more stump rooted. Its productiveness also makes it a very desirable field type. Quality is fine, tender, crisp and free from hard core. Flesh is a deep golden orange. Surface smooth and handsome in appearance. Matures in about 65 days. A good keeper for winter use. Pkt. 10c; oz. 25c; ¼ lb. 50c; 1 lb. \$1.25.

DANVERS HALF-LONG—Excellent for bunching and a favorite among market gardeners. The roots are just the right length, smooth, well formed and of fine color. Pkt. 10c; oz. 20c; ¼ lb. 40c; 1 lb. \$1.00.

NOTE. If you are pleased with results obtained from seeds purchased of us just drop us a line telling of your success. We are glad to publish letters from our customers and too, we will print pictures sent in to us in the following season's catalog. We want to make our catalog a sort of "chatty" and interesting medium. You can help if you wish.

LARGE WHITE BELGIAN—Extensively grown for stock. Grows above ground. Oz 20c; ¼ lb. 40c; 1 lb. \$1.00.

Cauliflower

CULTURE—Cauliflower succeeds well in any soil that will grow good cabbage, but prefers a well enriched soil of loamy character. Sow seed early in February and March in hotbed, transplanting later to cold frame and thence to open ground.

EARLY SNOWBALL—This is the most popular for home garden and market. Produces a good crop and a sure header. Pkt. 15c; ¼ oz. 90c; oz. \$3.00.

Extensive Dealers in Field Seeds—Write us for Prices.

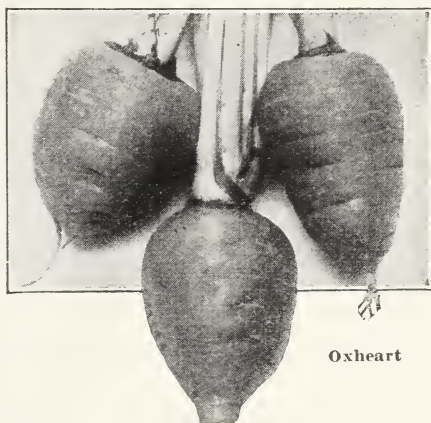
Carrots

Monarch Coreless Carrot

A Superior Carrot. It

is coreless, brittle, fine-grained and of fine mild sweet flavor. The color is reddish orange and the skin smooth. It is 5 inches long, cylindrical and very stump-rooted. Our seed is continually being bred for trueness to type and for elimination of core. We feel our customers will agree with us that this is our finest carrot. This Coreless Carrot is greatly in demand by our market gardener trade. It bunches well and its delicious flavor and appearance makes it a lively seller to the vegetable buyers. Pkt. 10c; oz. 25c; ¼ lb. 50c; 1 lb. \$1.50.

OXHEART or GUERANDE—Is a variety of very rapid growth, each attains a weight of more than one pound. It is thick, 5 inches long, has very fine flavor and general good quality and tenderness which make it desirable. Home and market growers find it the best second early, a little earlier and shorter than the Chantenay, good color. Pkt. 10c; oz. 20c; ¼ lb. 40c; 1 lb. \$1.00.



Oxheart

SPECIAL PRICES TO MARKET GARDENERS. WRITE FOR PRICES.

Cucumbers

CULTURE—Reasonably good soil that is fully exposed to the sun will raise a good crop of Cucumbers. Every family should be supplied from its home garden, since the fruit is so much better when gathered fresh from the vines as desired for use than it is in the more or less wilted condition in which it is found on the market. Cucumbers are close relatives of melons but mature in about 60 days and may be brought to maturity with little trouble in the home garden. The seeds must be sown after the ground becomes warm, and the plants thinned to three or four to the hill. A very rich soil is the best precaution against insects and the blight. The striped beetle should be kept away from the young plants with liberal applications of powdered arsenate of lead or our SULFO-LEAD DUST. Dust the under side of the leaves with NICO-DUST to kill aphids.

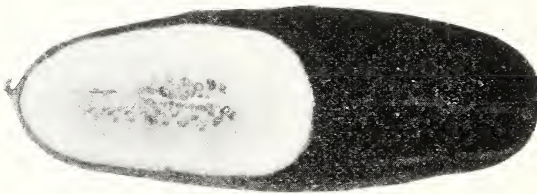
Monarch Improved Long Green The vines of our strain are very vigorous, and productive; the fruit (10 to 12 inches long) is formed almost as early as on the short sorts. As a cucumber of the "Black Spine" variety, for slicing and for pickles this is one of the very best. Flesh very firm, crisp and has a distinctive flavor; they make excellent pickles, and when yellow and ripe the best sweet pickles. Pkt. 10c; oz. 25c; ¼ lb. 60c; 1 lb. \$1.50.

DAVIS PERFECT—Fine length, slimness, beautiful dark green color, transparent-like flesh with deliciously cool refreshing flavor, and enjoyable crispness, are distinguishing features and qualities of this, the most popular of the extra long white spine cucumbers. For indoor and outdoor planting it is most popular. Its extremely vigorous growth makes it the best blight resister of the long sorts. Pkt. 10c; oz. 25c; ¼ lb. 60c; 1 lb. \$1.75, postpaid.

EARLY WHITE SPINE—A fine sort for table use, fruiting early and abundantly. Fruit uniformly straight and very fine appearance. Pkt. 10c; oz. 20c; ¼ lb. 45c; 1 lb. \$1.50.

BOSTON PICKLING—This is one of the best forcing cucumbers, inasmuch as it is a better producer than any of the other pickling sorts. Uniform in size and excellent size for pickling purposes. Pkt. 10c; oz. 20c; ¼ lb. 40c; 1 lb. \$1.25.

LEMON CUCUMBER—This dainty little cucumber resembles a lemon, both in form and color, having a distinctive flavor superior to any not found in any other cucumber. Very prolific. Pkt. 10c; oz. 20c; ¼ lb. 75c; 1 lb. \$2.25.



Early White Spine



Monarch
Imp. Long Green

Celery

CULTURE—One ounce will produce 5000 plants. Sow in light, rich soil, in shallow drills and cover the seed lightly with finely sifted mold. Prick the seedlings out into beds of very rich soil, 3 inches apart. Water freely and shade from sun until established. When the plants are 5 to 6 inches high transplant to rows 3 to 4 feet apart, according to the variety, allowing 8 inches between the plants in the rows. Earth up to blanch the stems, pressing the soil firmly around the plant almost to the top. Care must be taken not to cover the tops of the center shoots. Fertilize well.

FRENCH GOLDEN SELF-BLANCHING—The best celery for early market use. Of yellow color when matured. Brings the top prices. Pkt. 10c; oz. \$1.10; ¼ lb. \$3.75.

WHITE PLUME—Best early variety for market gardeners or for family use; of white color. Pkt. 10c; oz. 35c; ¼ lb. \$1.00.

Mrs. Louis Dodge, of Ashland, Oregon, writes: "I not only heard your program today, but always make it a point to listen for your programs as you give many valuable hints to gardeners by which I have helped my garden." Hear us over KMED each Monday and Friday from 12:00 to 12:30 P. M.

Kale

1000 HEADED OR COW KALE—Frequently attains a growth of 6 to 8 feet and produces many of the smooth leaves. Largely used for feeding stock and poultry. Oz. 20c; ¼ lb. 40c; 1 lb. \$1.00.

DWARF CURLED SCOTCH—Long plume-like leaves with edges finely cut. Pkt. 10c; oz. 20c; ¼ lb. 60c.

Sweet Corn

ACCLIMATED SEED

Prices Postpaid (Unless otherwise noted). Pkt. 15c; ½ lb. 20c; lb. 35c; 10 lbs. \$3.00

Carmel Golden Sweet Corn

A recent introduction and a worthy member of the Sweet Corn family. Carmel Golden is a selection from Golden Bantam and different from that popular variety in producing thicker and larger ears with twelve rows of very sweet, tender, yellow kernels. Not quite as deep yellow as old strain of Golden Bantam. Ears measure seven to eight inches in length. The stalks grow five feet high and usually produce three ears to the stalk. This variety originated in the Carmel Valley in California where it is highly esteemed. It is a little earlier than the Golden Bantam. Prices, postpaid, pkt. 25c; ½ lb. 50c; lb. 85c.



Carmel Golden

Golden Sunshine Sweet Corn

In Golden Sunshine we have a new yellow corn which will come in the market a week to ten days earlier than Bantam, competing with the extra-early white varieties, and which will be gone before Bantam is ready to eat.

The plant growth is more dwarf than Bantam and the ears set closer to the ground. The ears are as large, measuring 6½ to 7 inches and 12 instead of 8 rowed. Of fine golden yellow color, exceptionally sweet and sugary. Prices, postpaid, pkt. 20c; ½ lb. 30c; lb. 50c.

GOLDEN BANTAM—The original yellow sweet corn. Unsurpassed for an early corn of rich flavor. Ears of uniform size, as sweet as sugar and a good producer.

GOLDEN GIANT—Northern grown seed. Large, golden yellow ears of excellent quality. Larger than Golden Bantam and equally as luscious. Matures about 10 days after Golden Bantam. Pkt. 20c; ½ lb. 25c; 1 lb. 40c; 10 lbs. \$3.50.

STOWELL'S EVERGREEN—Remarkable for remaining a long time in fresh condition suitable for the table. Hardy and productive, and the best late variety for general use.

A NEW WAY TO PREPARE SWEET CORN. Take our word for this and try it just once. You'll never boil sweet corn again. Put the corn in the oven with the husk on and bake it for two hours or until done. You'll marvel at the luscious flavor which is retained in the corn by reason of the husks confining the flavor which is partially lost in boiling or steaming. Try this and write us a line, telling us how you like this new way of preparing sweet corn.

Pop Corn Jap Hulless—Most profitable and popular; short ears, white, pointed kernels. Pkt. 10c; ½ lb. 25c; 1 lb. 40c. Popping corn, lb. 25c, postpaid.

Kohl Rabi

Hardy and easy of culture. Grown from plants the same as cabbage. The Kohl Rabi is a vegetable intermediate between the cabbage and turnip and combines the flavor of both. It should be eaten before growth ceases.

EARLY WHITE VIENNA—Very early; bulb

white; best table variety. Pkt. 10c; oz. 25c; ¼ lb. 85c.

EARLY PURPLE VIENNA—Same as above except in color, which is purple. Pkt. 10c; oz. 25c; ¼ lb. 85c.

Insecticides for all Crops—Pages 37 and 38.

SPECIAL PRICES TO MARKET GARDENERS. WRITE FOR PRICES.

CULTURE—Lettuce to be at its best should be grown rapidly, hence the soil should be made as rich and friable as possible by liberal manuring and thorough preparation. For general crops sow outdoors as early in the spring as the ground can be worked, in drills 18 inches apart and thin the young plants to four inches apart in the row. As the plants begin to crowd, thin them out and use as required. For the cabbage or heading varieties where large heads are desired, the plants should be thinned ten to twelve inches apart in the row. Varieties marked "A" are particularly adapted for early spring use, those marked "B" for summer culture or late fall planting

Los Angeles or New York (B) — The best head lettuce for market gardeners. This is the mammoth head lettuce so largely grown for shipping. The market offers more possibilities for this lettuce than any other variety. The quality is unsurpassed, being tender, crisp, beautifully blanched to a creamy white with bright green outer leaves. A hardy, rapid grower; deep rooted and resistant to drought. Two year old seed carries a stronger germination than one-year old seed, hence we quote both.

One Year Seed—Pkt. 10c; oz. 30c; $\frac{1}{4}$ lb. 85c; lb. \$2.50.

Two Yr. Seed—Pkt. 15c; oz. 40c; $\frac{1}{4}$ lb. \$1.00; lb. \$3.50.

HANSON (B)—One of the very best. Heads green outside and white inside; grow to a remarkable size, very solid, deliciously sweet, crisp and tender. It withstands the hot sun well. Pkt. 10c; oz. 20c; $\frac{1}{4}$ lb. 60c; 1 lb. \$1.50.



Los Angeles Lettuce



W. J. Cummings, of Medford, Oregon, Route 2, is a firm believer in quality seeds. Mr. Cummings is probably southern Oregon's most extensive gardener. Mr. Cummings is pictured above caught by our camera man in the act of preparing peppers for market.

Leek

The Leek belongs to the onion family. Prized for soups. Cultivate same as onions, but should be hilled up about the neck to blanch it.

LARGE ROEN OR AMERICAN FLAG—A large favorite American sort. Pkt. 10c; oz. 30c; $\frac{1}{4}$ lb. \$1.00.

Reedsport, Ore., Sept. 21, 1930.

Gentlemen: The seed which we secured from you in the spring was very good. We usually have a poor stand of parsnips, hence always considered this a hard crop to raise. We surely have a stand this year. All other seed we received produced well, too. Very truly yours, Mrs. Ray M. Denley.

GRAND RAPIDS (A)—Very good for early forcing; of quick growth and stands for some days after being fit to cut. The plant is upright and forms a loose head or cluster of large, light yellowish green leaves, slightly crimped. Not considered a header. Pkt. 10c; oz. 20c; $\frac{1}{4}$ lb. 70c; lb. \$2.00.

PRIZEHEAD (A)—Leaves of this fine lettuce are tinged red. Much preferred by those who like a red leafed lettuce. Pkt. 10c; oz. 20c; $\frac{1}{4}$ lb. 70c; lb. \$2.00.

BROWN DUTCH—Forms a large, solid head; sweet, tender and of good flavor. Outer leaves are tinged with brown. It is very hardy. Pkt. 10c; oz. 20c; $\frac{1}{4}$ lb. 50c; lb. \$1.50, postpaid.

Mustard

The following varieties make the finest greens when used alone or if combined with cress furnishes a delicious salad. Sow any time in the spring, in rows, and thin out as necessary.

SOUTHERN GIANT CURLED—This is a giant curled leaf of fine quality. Pkt. 10c; oz. 15c; $\frac{1}{4}$ lb. 35c; lb. \$1.00.

WHITE ENGLISH—Light green variety; tender leaves. Seed light yellow and pungent. The commercial mustard seed is this sort. Pkt. 10c; oz. 20c; $\frac{1}{4}$ lb. 40c.

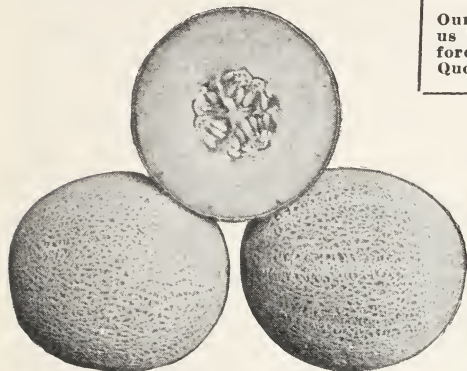
CHINESE MUSTARD—Less pungent than other varieties. A most delicious variety thriving under same conditions as spinach. Pkt. 10c; oz. 15c; $\frac{1}{4}$ lb. 35c.

Cheap Seed is Expensive to Sow.

Muskmelons

CULTURE—Plant in hills 4 to 6 feet apart each way after danger of frost is past and ground is warm; enrich well with well-rotted manure and plant seeds just under the surface, putting ten or twelve seeds in a hill covering about an inch deep with fine soil firmly pressed down. When the plants begin to crowd and the striped beetles are pretty well gone, thin to four of the most vigorous plants in a hill. Give frequent but shallow cultivation until plants make runners too long for practical work. Rich earth is far preferable to manure, and if manure is used be sure it is well rotted and well mixed with the soil. Use NICO-DUST for melon aphids and for beetles, dust with finely sifted ashes or road dust.

Our Cantaloupe and Watermelon Seed come direct to us from the World's Renowned Growers in the Rocky-ford district of Colorado. Only Select, First-Cut Seed Quoted.



Perfected "Perfecto"

Perfected "Perfecto" SPECIAL STRAIN

We offer the Improved Strain of G. and W's. perfected "Perfecto." This melon runs large and very uniform in size. It very seldom shows a stripe and has a fairly coarse, heavy net. The flesh is a very dark salmon color. It could rightfully be classed as a Red Meat. The seed cavity averages smaller than in any other Rocky Ford variety. A quarter will cover the seed cavity in many, and it is seldom that a dollar will not cover the largest seed cavity. The flesh is fine grained, melting, and of excellent flavor. The keeping and shipping qualities are unsurpassed. This is a main crop cantaloupe and is worthy of your trial. Select, first-cut seed. Pkt., 15c; oz., 30c; ¼ lb., 90c; lb., \$3.00.

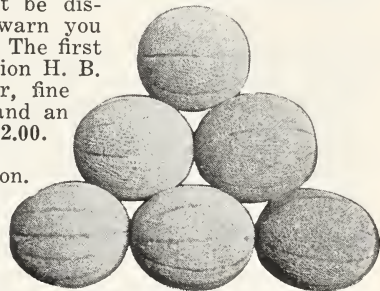
Hales Best or H. B. SPECIAL STRAIN

We mention this irregularity so that you will not be disappointed when you harvest the melons, but we warn you that if you do not plant this melon you'll be sorry. The first on the market in the Imperial Valley is the reputation H. B. carries. The flesh is a rather dark salmon color, fine grained and of excellent flavor. A good shipper and an excellent keeper. Pkt. 15c; oz. 30c; ¼ lb. 75c; lb. \$2.00.

The new extra early cantaloupe. Considered the earliest good shipper grown. The melon runs irregularly in size and netting, but its earliness and quality overcome this only objection.

Hearts of Gold SPECIAL STRAIN

The best salmon-fleshed melon. Quality extremely fine. Fine grained, not stringy and of the sweetest flavor. Size and shape—just right, so it may be served cut in halves. Flesh is of deep orange color, extremely thick. An excellent shipper as melons are of uniform size, netting is ideal, heavy and close. One of the most prolific melons, producing well under favorable conditions and withstands blight better than most varieties. Undoubtedly there are more Hearts of Gold sold than any other single variety. One of the earliest. Pkt. 15c; oz. 30c; ¼ lb. 75c; lb. \$2.00.



Hales Best or H. B.

EXTRA EARLY HACKENSACK—A very popular sort producing large, handsome melons of the best quality. Fruit nearly round, deeply ribbed and coarsely netted; flesh green, of most delicious flavor. Pkt., 10c; oz., 20c; ¼ lb., 50c; lb., \$1.50.

ROCKYFORD—Everyone knows this melon. It's the old reliable. Pkt. 10c; oz. 15c; ¼ lb. 35c; lb. \$1.25.

Casabas

GOLDEN BEAUTY—Fruits are nearly globular of bright golden yellow color. Flesh is white, very thick and juicy. Pkt. 10c; oz. 20c; ¼ lb. 50c; lb. \$1.75.

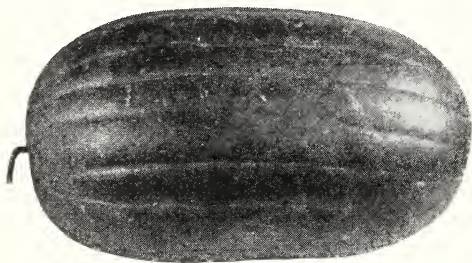
WINTER PINEAPPLE—A casaba that ripens slowly and last practically through the winter. Stores like Hubbard squash. Pkt. 10c; oz. 20c; ¼ lb. 50c; lb. \$1.75.

HONEY DEW—The skin is smooth, with an occasional net. Color while growing is nearly white, and when ripe a creamy yellow. Very thick fleshed, light emerald green in color. Honey Dew lacks the bland or cucumber flavor sometimes found in casabas. Pkt. 10c; oz. 25c; ¼ lb. 60c; lb. \$1.75.

SPECIAL PRICES TO MARKET GARDENERS. WRITE FOR PRICES.

Watermelons

Our Watermelon and Cantaloupe Seed Come Direct to us From Growers in the Rockyford District of Colorado.



Monarch Brown Seeded Klondike

Monarch Brown Seeded Klondike EARLY MATURING STRAIN

Klondike variety this Spring, exclusive of all other varieties; sufficient recommendation of its worth, we believe. Pkt. 10c; oz. 25c; $\frac{1}{4}$ lb. 75c; lb. \$2.50.

KLECKLEY'S SWEET OR MONTE CRISTO—

For the home or local market this melon has no superior, as it has nothing but good qualities. The most popular melon on the market. Pkt. 10c; oz. 20c; $\frac{1}{4}$ lb. 40c; lb. \$1.00.

CHILIAN—Black seeded; earlier than the white seeded Chilian, also sweeter, but not so large nor attractive. We can recommend this to the grower as the best early melon. Pkt. 10c; oz. 20c; $\frac{1}{4}$ lb. 40c; lb. \$1.00.

BLACK-SEEDED ICE CREAM. Grown extensively in most of Oregon and Washington. A splendid shipping melon, does exceptionally well in any soil which grows melons. Almost round, pink meated, black seeded, a fine keeper. Drought resisting, ripens early. Pkt. 10c; oz. 20c; $\frac{1}{4}$ lb. 60c; lb. \$1.75, postpaid.

BLACK-SEEDED ANGELINO. As a shipper Angelino has no superior. It will not crack with rough handling. Almost round in shape with a dark green skin, through which a slightly colored vein shows, making it an attractive melon for the market. The meat is rich red and very sweet. Angelino is not a dry melon, nor is the flesh loose and watery. If you have never grown it, try it in your garden this spring. Pkt. 10c; oz. 20c; $\frac{1}{4}$ lb. 50c; lb. \$1.50.



Black Seeded Angelino

Napthalene

will keep Root Maggots out of your root crops. Protects Cabbage, Radishes, Turnips, Onions, etc. For prices see Insecticides, page 39.

Tune in on KMED

every Monday between the hours of 12:00 and 12:30 P. M. and hear our helpful talks on garden culture.

**SPECIAL PRICES TO MARKET
GARDENERS. WRITE FOR
PRICES.**

CULTURE—For the culture of onions the soil should be of loose, rich texture. Bottom land being preferred. Sow $2\frac{1}{2}$ to 3 pounds per acre of seed. Onions can be planted early in the spring as soon as the ground can be worked. Thorough, clean cultivation and thinning during the growing season is necessary.

Early Sweet Spanish Here's an onion that won its popularity in one year. Introduced to Rogue River Valley growers in the spring of 1925 Sweet Spanish met with popular favor the first day of its appearance on the market. A very large, mild, yellow, globe shaped onion. Best for home garden and the earliest and best for market. "Sweet as an apple" is an expression invariably used in describing Sweet Spanish. Pkt. 15c; oz. 50c; $\frac{1}{4}$ lb. \$1.75; lb. \$4.00.

YELLOW GLOBE DANVERS—Our strain of Yellow Globe Danvers is especially selected by experienced growers to give an even ripening crop. The bulbs are all of fairly large size, small at the neck, perfectly and regularly formed. Globe Danvers is the most popular onion for the market and for shipping. One of the standard varieties on the Oregon and California markets. Pkt. 10c; oz. 25c; $\frac{1}{4}$ lb. 75c; lb. \$2.50.

OREGON YELLOW GLOBE DANVERS—This fine onion produces the largest crops, ripens up hard and early and are good keepers. As a table or market onion it is claimed as superior to any other onion by many growers. Of half globe form with small neck and brownish-yellow tint, very firm and fine grained. Flesh is very white and mild. Pkt. 10c; oz. 25c; $\frac{1}{4}$ lb. 75c; lb. \$2.50.

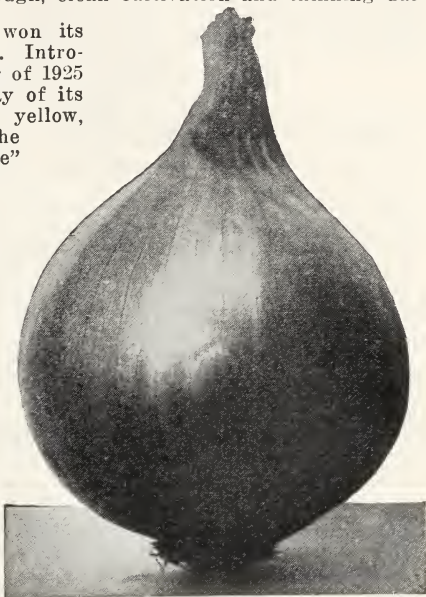


Yellow Globe Danvers

Onion Sets

For the earliest green onions use onion sets, planting them about 2 inches apart in the row. Dry onions can be grown from sets, but it will be found much less expensive if grown from seed. We can furnish either White or Yellow Sets at 25c per quart postpaid. Write for quantity prices.

Onions



Early Sweet Spanish Onion

PRIZE TAKER—A remarkably large onion. Skin light yellow, flesh sweet and mild; globe shaped and very productive. Should be used early as it is not a good keeper. Pkt. 10c; oz. 25c; $\frac{1}{4}$ lb. 75c; lb. \$2.50.

SILVERSKIN or PORTUGAL, White — The best known and most largely used white onion. Flat on the bottom and thick toward the top; very hard and firm. An excellent keeper. Is largely used for white onion sets as well as for bulbs for the best market trade and for pickles. Pkt. 10c; oz. 25c; $\frac{1}{4}$ lb. 85c; lb. \$3.00.

Thirty rows of Early Sweet Spanish 155 feet long, spaced 2 feet apart yielded 123 sacks or approximately 12,300 pounds of dry onions for Lester Throckmorton, Route 3, Medford, Oregon. These figures do not include second-grade onions which were not offered for sale. Sweet Spanish Onions meet with ready sale on every market. You too, should try some.



Peas

CULTURE—One pound will sow 100 feet. Light, moderately rich soil is best for this crop. Sowing of first early varieties should be made in October, and the other varieties in the early spring. Peas are sown in single or double rows from 2 to 6 feet apart, according to the variety or height to which they attain. Dwarf varieties are planted 2 feet apart, and those of medium sorts 3 feet to 4 feet apart. Tall varieties from 5 to 6 feet apart.

Early Varieties—Dwarf

LAXTON'S PROGRESS

An improved Laxtonian. Market gardeners have swung to this variety be-

cause of its heavier bearing qualities and, too, because of the superior flavor to be found in Laxton's Progress. Foliage is of a dark green color. The pods are long and also of a dark hue. It is a very desirable variety in all respects either for the home or market garden. Our seed comes to us direct from the most reliable growers and will be found strong in germination and production. You'll not make a mistake in planting Laxton's Progress. A semi-dwarf variety requiring no poles or strings. Pkt. 15c; ½ lb. 35c; lb. 50c, postpaid.

ALASKA OR EARLIEST OF ALL—A smooth, blue pea of even, vigorous growth and extra early maturity. Vines 2 to 3 feet high, unbranched, bearing four to seven long pods, which are filled with medium sized bright green peas of excellent flavor. A favorite with market gardeners for fall and early spring planting. Pkt. 10c; ½ lb. 20c; lb. 35c.

LITTLE MARVEL—An excellent dwarf sort for the market and home garden. The pods average longer than those of American Wonder or Little Gem, are more attractive in shape and color and the peas are of superior flavor. Pkt. 10c; ½ lb. 20c; lb. 35c.

LAXTONIAN—A new, early, dwarf, robust large podded pea of excellent quality. In great demand, increasing yearly. Pkt. 10c; ½ lb. 20c; lb. 35c.

**INOCULATE THIS
SEED WITH
STIMUGERM**

Main and Late Crop Varieties

BLUE BANTAM—The most important dwarf early market variety. Vines 15 to 18 inches tall, bushy and very productive. Pods long, pointed and well filled. Quality excellent. Early and very productive. Pkt. 10c; ½ lb. 20c; lb. 35c.

GRADUS—This extra early wrinkled pea bears pods of large size and combines quality with earliness. Very hardy, can be planted as early as the smooth varieties; growth vigorous and healthy; vines 2¼ feet in height; very prolific. Pkt. 10c; ½ lb. 20c; lb. 35c.

STRATAGEM—An improved variety comprising all the good qualities of the later varieties. Is of the ever-bearing type, bearing pods of dark green color, full of large peas

of sugary flavor. Two feet in height. Pkt. 10c; ½ lb. 25c; lb. 40c.

TALL TELEPHONE—Our Southern Oregon climate is well suited to this tall-growing pea. It is the standard market variety, immensely productive, the extra large pods being filled with peas of the finest quality, the luscious sugary flavor not being excelled by any other variety. Of strong and rapid growth; attains a height of from 4 to 5 feet. Pkt. 10c; ½ lb. 20c; lb. 35c.



For a better garden, larger and firmer vegetables, use Red Steer Orchard Dressing. See page 28.

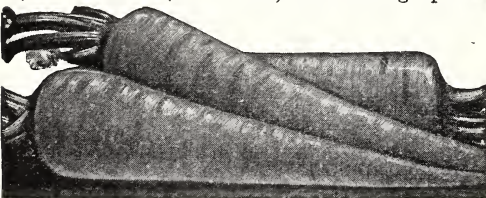
Parsnips

ONE OUNCE of seed will sow 200 feet of drill. 5 pounds will plant an acre. This crop requires a very rich soil. Sow in drills 18 inches apart and one-half inch deep and thin to 8 inches in the row.

LONG SMOOTH OR HOLLOW CROWN—A standard table sort; the best and most productive for field culture. Pkt. 10c; oz. 15c; ¼ lb. 35c; lb. \$1.00.



Laxton's Progress



Hollow Crown Parsnips

If you get any enjoyment out of our Radio Broadcasts we are glad of it. We want to please you.

**SPECIAL PRICES TO MARKET
GARDENERS. WRITE FOR
PRICES.**

ONE OUNCE of seed will sow 100 feet of drill. Sow thinly in drills 1 foot apart and thin out the plants to 3 or 4 inches. The seed germinates slowly, sometimes three or four weeks passing before the plants appear.



Bull Nose Pepper

FINE DOUBLE CURLED—Fine dwarf; crimped leaves. Pkt. 10c; oz. 15c; $\frac{1}{4}$ lb. 35c.

Peppers

SOW the seeds early in hotbeds; or later, when the weather becomes warm, in open beds. Transplant when two or three inches high to a warm, mellow soil in rows 18 inches apart and a foot apart in rows. Sheep Guano and hen manure are excellent fertilizers and will greatly increase the yield.

LARGE BELL OR BULL NOSE—Large, mild, thick fleshed. One of the best for stuffed pickles. Pkt. 10c; oz. 70c.

CHINESE GIANT—The largest of the sweet peppers. Pkt. 10c; oz. 70c.

CAYENNE—Pods long, bright red, very pungent and used with pickles when green. Pkt. 10c; oz. 75c.

RUBY KING—A popular variety of the Bell, or Bull Nose type. Fruit large, dark green while young, turning to bright glossy red when ripe, flavor mild and sweet. Pkt. 10c; oz. 70c.

Pumpkins

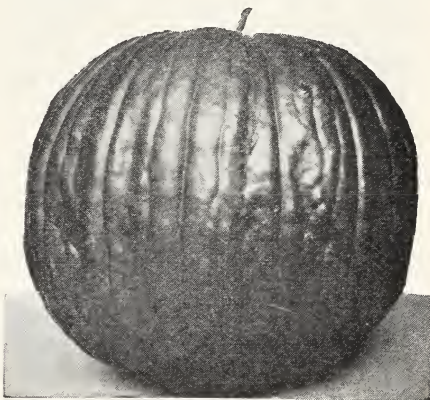
CULTURE—Enormous pumpkins may be grown on the fertile soils of Southern Oregon and Northern California. Plant the seed in the open ground when it is well warmed and after danger from frost is past. Plant in hills about 8 feet apart; 3 to 4 pounds of seed will plant an acre and 8 ounces will plant 100 hills. Do not plant near squashes, as they are likely to mix.

CONNECTICUT FIELD—A fine, large, orange-colored pumpkin used for field culture. The skin is smooth and ribbed and the flesh is brittle and sweet. Pkt. 10c; oz. 15c; $\frac{1}{4}$ lb. 35c; lb. \$1.00.

CYANOGAS spells sure-death to Squash Bugs (stink bugs). Applied in the early morning before the dew is off the vines or after irrigating, Cyanogas will kill Squash Bugs quickly and surely. See page 2 for prices and further description.

WINTER LUXURY—The best flavored pie pumpkin grown; enormously productive; excellent keeper; medium size, color golden russet, finely netted; flesh deep golden; sweet, tender and very thick. The best. Pkt. 10c; oz. 20c; $\frac{1}{4}$ lb. 40c; lb. \$1.00.

SWEET or SUGAR—A handsome and productive small pumpkin; skin orange; flesh deep yellow, fine grained, very sweet. This is the famous "New England Pie Pumpkin." Pkt. 10c; oz. 20c; $\frac{1}{4}$ lb. 40c; lb. \$1.00.



Connecticut Field Pumpkin

**Write for prices on Rhubarb Plants
—Ready in early Spring.**

We welcome visits from our friends in Southern Oregon and Northern California. Drop in when in Medford—we'll be glad to show you our store.

Buy the Best Seed; It's the Cheapest in the Long Run.

**SPECIAL PRICES TO MARKET
GARDENERS. WRITE FOR
PRICES.**

CULTURE—To secure radishes with crisp, tender flesh, grow them quickly in rich, loose soil, and gather them before reaching full size. Frequent plantings should be made for successive crops, so that a supply of fresh, tender radishes may be had at all times.

MONARCH SPARKLER—A most attractive and popular variety. It is globe-shaped, bright rose carmine with bottom and tip clear white. Very small foliage. Valuable for forcing. Pkt. 15c; oz. 30c; $\frac{1}{4}$ lb. 80c; lb. \$1.75. See illustration on back cover.

CRIMSON GIANT—The roots are top-shaped, $1\frac{1}{2}$ inches in diameter, solid, crisp, tender flesh. Remains in edible condition for a long time. Pkt 10c; oz. 20c; $\frac{1}{4}$ lb. 40c; lb. \$1.00.

EARLY SCARLET TURNIP—Excellent either for forcing or outdoor culture. Small turnip roots of a solid crimson color with white flesh of fine quality. Pkt. 10c; oz. 15c; $\frac{1}{4}$ lb. 40c; lb. \$1.25.

FRENCH BREAKFAST—Oval or oblong in shape. Roots 2 inches long of a bright rose color with bottom of roots and tail pure white. Very attractive. Pkt. 10c; oz. 15c; $\frac{1}{4}$ lb. 35c; lb. \$1.00.

LONG WHITE ICICLE—The almost crystal-line white roots are 5 inches long and most brittle and crisp. It matures quickly and its fine qualities make it very desirable for successive plantings. Pkt. 10c; oz. 20c; $\frac{1}{4}$ lb. 40c; lb. \$1.00.

LONG SCARLET—The best known and most popular long variety. Color bright carmine. Flesh brittle and firm. Root 6 inches long, the top part growing out of the ground about 1 inch. Pkt 10c; oz. 15c; $\frac{1}{4}$ lb. 35c; lb. \$1.00.



Icicle Radishes



For crisper, larger and more delicious radishes use Red Steer "E" Fertilizer. See page 28.

Spinach

CULTURE—Of easy culture and very profitable. Spinach may be planted in the fall or early spring. In our mild climate winter sowing is practical with good results. Sow 8 pounds per acre as a field crop or 1-ounce to 100 feet in the home garden. The richer the soil the larger and better the leaves. Use a top dressing of Sulphate of Ammonia after plants have started to grow.

BLOOMSDALE SAVOY—The variety most generally grown. Leaves large, round and thick, very much savoyed and rich, deep green. One of the earliest kinds. Pkt. 10c; oz. 15c; $\frac{1}{4}$ lb. 25c; lb. 55c.

PRICKLY—The variety commonly used for market in California. Is very hardy and easily grown; bears large, smooth leaves which are shaped like an arrow point. A fine winter and spring variety. Pkt. 10c; oz. 15c; $\frac{1}{4}$ lb. 25c; lb. 55c.

ROUND, THICK LEAVED—A large leaved, bright green variety. Leaves rather smooth

and rounded at the top. A good variety for late spring and summer. Pkt. 10c; oz. 15c; $\frac{1}{4}$ lb. 25c; lb. 55c.

A top dressing of Sulphate of Ammonia when Spinach is about half grown will double your yield. There is no other plant food that will promote leaf growth in Lettuce, Spinach, Kale and Cabbage like Sulphate of Ammonia.

Salsify

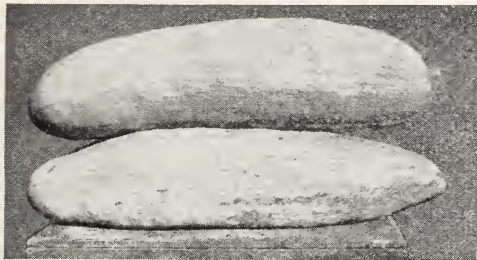
MAMMOTH SANDWICH ISLAND—The improved large rooted variety, growing about 12 inches long and being from 1 to 2 inches thick. Pkt. 10c; oz. 25c; $\frac{1}{4}$ lb. 75c; lb. \$2.50.

SEMESAN prevents dampening-off in hot-beds and cold-frames. See page 40.

Use Groz-It Brand Pulverized Sheep Manure. See Page 27.

**SPECIAL PRICES TO MARKET
GARDENERS. WRITE FOR
PRICES.**

CULTURE—Do not sow squash seed until all danger of frost is past. Put a spadeful of well rotted manure in each hill and dig it in well. Sow 8 to 10 seeds in a space one foot in diameter and later thin to the strongest three plants. Eight ounces of seed will plant 100 hills; 2 to 3 pounds per acre. In gathering winter squash it is important to keep the stems from being broken off.



Banana Squash

Banana Squash Called Sweet Potato Squash by Southern Oregon gardeners. Seldom does a variety gain in popularity each passing year as does this squash. It is a heavy yielder and the best all-purpose variety grown. Can be used when quite young and will keep splendidly for a winter squash. The color is grayish green, shell soft, so that it can be cut with a knife. It grows from eighteen to thirty inches long and six to nine inches in diameter. It is very prolific but a shy seeder. Flesh is of high color; entirely free from fibre or stringiness. Cooks up perfectly smooth and is of most delicious flavor. Yields well and is of such superb table quality that many growers will have no other for their own use. See illustration. Pkg. 10c; oz. 25c; ¼ lb. 75c; lb. \$2.00.

ZUCCHINI or ITALIAN—A delicious summer variety, should be eaten when quite young. Very prolific, squashes measure four to six inches. When stewed it has a rich, creamy flavor not equalled in any other squash. Excellent for the family garden. Pkt. 10c; oz. 25c; ¼ lb. 85c; lb. \$2.50.

BOSTON MARROW — A popular variety, with large oval fruit. Skin bright reddish orange with light cream netting. Flesh orange. Fine grained and of excellent quality. Used by canners. Pkt. 10c; oz. 15c; ¼ lb. 40c; lb. \$1.00.

MAMMOTH CHILI—The largest squash. Used for stock feeding, as its size returns heavy yields per acre. Pkt. 10c; oz. 20c; ¼ lb. 50c; lb. \$1.50.

IMPROVED WARTED HUBBARD—The best seller and best known. Rind dark green, warty and very hard. Flesh light orange, very dry, sweet and rich flavored. Has no superior. Long keeper. Pkt. 10c; oz. 20c; ¼ lb. 45c; lb. \$1.25.

Summer Lake, Ore., Oct. 31, 1930.

Dear Sirs:—"I don't think I ever bought as good seed from any seed company, at least not any better than I got from you last spring. I expect to put in another order for seeds next spring and I'll get them from the Monarch Seed & Feed Co.

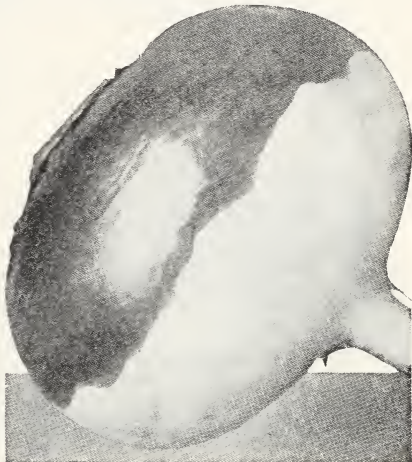
Very truly yours, Wm. A. Calkins.

Squash

SUMMER VARIETIES

WHITE BUSH SCALLOP—A very early variety with flat, white scalloped squashes 4 to 6 inches in diameter. Vine bushy in habit and dwarf. Pkt. 10c; oz. 25c; ¼ lb. 45c; lb. \$1.25.

YELLOW SUMMER CROOKNECK — Well known. Fruit long, skin very much warted; bright golden yellow. Pkt. 10c; oz. 25c; ¼ lb. 45c; lb. \$1.25.



Purple Top Strap Leaf Turnip

Turnips

ONE OUNCE will seed 100 feet; 2 pounds will sow an acre. Turnips do best in highly enriched soil of light, sandy texture. Sow in drills from 12 to 15 inches and thin early to 8 or 9 inches apart.

EARLY WHITE FLAT DUTCH — Very early, pure white and fine quality. Pkt. 10c; oz. 15c; ¼ lb. 35c; lb. 90c.

PURPLE TOP STRAP LEAF—Rapid grower, flat, with solid flesh of mild flavor; the most popular variety for early use. Pkt. 10c; oz. 15c; ¼ lb. 35c; lb. 90c.

WHITE EGG—Is nearly oval or egg-shape, as its name implies; flesh very firm and fine grained. Snowy white skin and flesh. Pkt. 10c; oz. 15c; ¼ lb. 35c; lb. 90c.

PURPLE TOP WHITE GLOBE—Globe-shaped with purple top. Pkt. 10c; oz. 15c; ¼ lb. 35c; lb. 90c.

YELLOW GLOBE—Amber color, of globe shape. Pkt. 10c; oz. 15c; ¼ lb. 35c; lb. \$1.00.

Everything for your garden, but the rain.

Our Tomato Seed is grown by a specialist who grows only tomatoes. Our seed is the best grown.

Tomatoes

CULTURE—Sow the seed in hotbeds in early March, moving plants to cold frame when of suitable size. Harden off in cold frame until conditions are right in the field for their transplanting. Too frequent watering is harmful, especially spraying the plants. Just a moderate amount of water should be applied at the roots at regular intervals.

Avon Early—A very early scarlet-fruited variety of the Earliana type. Fruit of bright scarlet, of medium size, very solid, globular in shape and very prolific. Pkt. 10c; oz. 50c; $\frac{1}{4}$ lb. \$2.00; lb. \$6.00.

BONNY BEST—Early, scarlet-fruited, very even in size, smooth, solid and prolific. Pkt. 10c; oz. 45c; $\frac{1}{4}$ lb. \$1.25.

CHALK'S EARLY JEWEL—Most everyone is acquainted with this variety. It has many friends and well it deserves them. Fruit is large, smooth, uniform; bears continuously throughout growing season; fruit ripens clear to the stem and the flavor and quality are especially fine. Pkt. 10c; oz. 40c; $\frac{1}{4}$ lb. \$1.25.



Chalk's Early Jewel

EARLIANA—A large, smooth, bright scarlet tomato. Very valuable for early market use. Pkt. 10c; oz. 45c; $\frac{1}{4}$ lb. \$1.25.

MATCHLESS—One of the best scarlet-fruited main crop varieties. The large fruits are solid, ripen well and are of finest flavor. Pkt. 10c; oz. 40c; $\frac{1}{4}$ lb. \$1.35.

GOLDEN QUEEN—Smooth, large, bright yellow fruit of fine quality. Pkt. 10c; oz. 50c; $\frac{1}{4}$ lb. \$1.65.

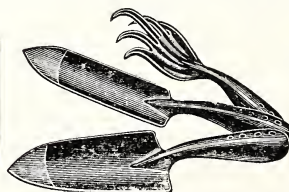
BURBANK, NEW—Claimed to be the earliest, smoothest, solidest and most productive bright scarlet tomato, with a skin that will "peel" easily. Highly praised by those who have tried it. Pkt. 10c; oz. 50c; $\frac{1}{4}$ lb. \$1.75.

RED HEAD—Early, maturing in about 120 days, reaches a good size, is extremely productive and bears continuously. Fruits bright red, globe shape, very meaty, small seed cavity. An excellent canning variety. Pkt. 15c; oz. 60c; $\frac{1}{4}$ lb. \$1.75.

Rutabagas

AMERICAN PURPLE TOP—One of the best and most popular varieties, with yellow flesh. Good for stock feeding. Pkt. 10c; oz. 15c; $\frac{1}{4}$ lb. 35c; lb. \$1.00.

LARGE WHITE OR SWEET RUSSIAN—A very large variety, with white skin and flesh which is tender and sweet. Pkt. 10c; oz. 20c; $\frac{1}{4}$ lb. 45c; lb. \$1.25.



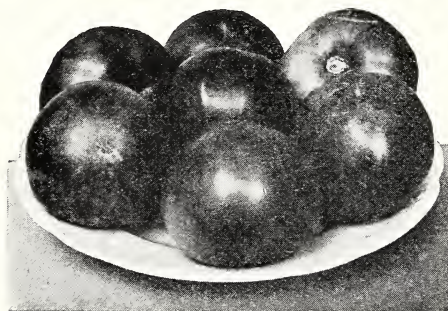
3-PIECE GARDEN SET

All made of heavy pressed steel, handsomely finished. Shipping weight 2 lbs.

Each 25c.

75c Set of Three.

Add 15c for postage and packing.



Avon Early Tomato

BOLGIANO'S GLORY TOMATO—This is the tomato that the canneries have recommended as being the most productive, and which they describe as follows: "Produces at every joint large clusters of good size, smooth, firm, beautifully shaped fruits, uniform in shape, color and size. Ripen evenly and color up well." Our seed comes direct to us from the originators of this variety. Pkt. 20c; oz. 70c; $\frac{1}{4}$ lb. \$2.00; lb. \$7.00.

SMALL FRUITED VARIETIES

YELLOW PEAR—Pkt. 10c; oz. 65c; $\frac{1}{4}$ lb. \$2.

YELLOW PLUM—Pkt. 10c; oz. 65c; $\frac{1}{4}$ lb. \$2.

HUSK TOMATO OR GROUND CHERRY—Small, round, yellow fruits about half an inch in diameter, enclosed in a thin husk. Very deliciously sweet. Excellent for preserves. Pkt. 10c; oz. 65c.

Dust with Copper-Lead Dust to repel Tomato Flea Beetle

BUY THE BEST — WE DO.

Seed Potatoes



WE OFFER CERTIFIED SEED POTATOES IN ALMOST ALL VARIETIES

THE VARIETIES listed below are offered you in the belief that they are the best adapted to our climate and soil. There are many varieties of potatoes being offered today that do not fulfill expectations at harvest time. We know you will find any of the varieties listed below satisfactory in yield, quality and saleable value.

POTATO prices fluctuate to such an extent that we doubt the advisability of quoting prices this early in the season. Prices at all times are quoted subject to market changes. When in the market we ask you to drop us a line stating the variety and quantity you desire and we will gladly and promptly quote prices.

EARLY SUNRISE—For years Early Sunrise has been in greater demand in our Southern Oregon market than any other variety. However, since the advent of Quick Lunch it has fallen into second position. It is a potato of great value as an early cropper and preferred by many to any other type. Of flattened round shape, it is of excellent quality for early crop. It will mature in 8 weeks from time of planting. Write us for Prices.

QUICK LUNCH—Resembling somewhat the Early Sunrise, but of a lighter color. Quick Lunch is the earliest potato on this market. It is of better keeping qualities than the average of extra early tubers, and of excellent cooking habit. Very prolific and coming into the market at a time when potatoes are selling at premium prices. Write for Prices.

EARLIEST OF ALL—Its quick growth and early maturity combined with its excellent cooking qualities, makes it very valuable. Summer drought does not effect it for its growth is complete before it can be injured. Plant early to obtain large size. Ready for the table nine weeks from planting. Write for prices.

NETTED GEM OR YAKIMA GEM—A splendid main crop late variety that does splendidly under irrigation in dry sections. Tubers are elongated, with netted skin; flesh

white, eyes are flush with surface. As a keeper none excels it. Write for Prices.



AT THE SISKIYOU COUNTY FAIR. Bob, Mack and Ray journeyed to Yreka to attend Medford day at the Fair. This visit to the annual assembly of Siskiyou County products convinced us of the diversity of Northern California's soils and farms. Full development of her diversified resources lies in the coming of cheaper and quicker transportation to markets, to which end the Northern California-Southern Oregon Development Association are working. We'll see you again at the Fair this fall friends of Siskiyou County.



For a bigger crop of better and larger potatoes, use Red Steer "E" Fertilizer. See page 28.

PLEASE
ADD
POSTAGE

Grass Seeds



Orchard Grass

ORCHARD GRASS—One of the most valuable of all pasture grasses, produces an immense quantity of forage and hay of best quality. After being mown, comes up quickly and yields very heavily. Suitable for pasture under trees. Sown in the ashes on cleared land. Not suitable for lawns, as it grows in tussocks. Sow 35 pounds per acre. Lb. 40c; 10 lbs. \$3.50. Write for Prices on Quantities.

OREGON RYE GRASS—A rapid grower, very winter hardy, leaves and stems medium fine, stools heavily, has a bright green color. Excellent for pasture or for hay. Plant with Ladino Clover to prevent bloating. Lb. 20c; 10 lbs. \$1.50, postpaid. Write for quantity price.



AWNLESS BROME GRASS—Will stand droughts and produce heavy crops in dry sections and on poor soils where other grasses perish. It is one of the hardiest growers and succeeds on our dry hillsides. Sow 35 pounds per acre. Lb. 35c; 10 lbs. \$3.00. Prices on larger lots upon application.

RED TOP—A good perennial grass. Generally sown for permanent pastures. Does best on moist or even marshy land. If not overflow land it is advisable to mix with Meadow Fescue, Orchard Grass or Alsike Clover. Sow 14 lbs. of hulled seed per acre. Lb. 60c; 10 lbs. \$4.50. Prices on larger lots upon application.

KENTUCKY BLUE GRASS—One of the best grasses for permanent pasture, furnishing a constant supply of the most nutritious feed during the greater part of the year. The leading grass for lawns. See page 29.

TIMOTHY—This is the most valuable of all grasses for hay. Thrives best on moist, loamy soil. Sow early in the spring or fall, 15 to 20 pounds per acre. Fancy seed, per lb. 30c; 10 lbs. \$2.50. Quantity prices upon application.

SUDAN GRASS—It yields from 2 to 8 tons of hay per acre, depending upon soil conditions. Hay is relished by cattle. Plant late in spring after frost danger is over. 15 lbs. of seed per acre where broadcasted. Lb. 20c; 10 lbs. \$1.75. Write for prices on larger quantities.

WINTER BLUE GRASS

The Grass the Whole Country is Talking About

POA BULBOSA

Space will not permit a lengthy story on this wonder grass. We have prepared a bulletin and will cheerfully mail it to you upon request. Send for it and let these few words simply introduce to you this Winter Pasture Grass.

WINTER BLUE GRASS grows only in the winter time. It starts into growth with the first fall rains and produces pasture throughout the winter. In early spring it will produce a good hay crop from which the seed is threshed, leaving the straw for feeding. Its growth is similar to the better known Kentucky Blue Grass. The seed is bulbous in nature and can be sown among weeds and wild grass without any soil preparation. It drives out Broncho grass, Foxtail and Squirrel grass in a very short time. Southern California is planting hundreds of acres of Poa bulbosa. Think what it means to have pasture during the winter on otherwise worthless land. Try a few acres or even a small plot if you are skeptical of its worth. A trial will convince you that Poa bulbosa is truly a wonder grass. There is money in raising this crop for seed. 1 to 10 lbs., \$1.00; 10 lbs. up, 75c lb. Add postage.

Write to your Agricultural College for Bulletin No. 1254—"Important Cultivated Grasses"

— Field Seeds —

IMPORTANT—Please Read. Clover, grass and field seeds are subject to market changes, therefore we cannot print prices good for any length of time. When you are ready to buy, drop us a line stating what you are interested in and how much you will want, and we will quote, submitting samples at the same time. We quote only on fancy stock seed. Our prices will be right.

— Oats —

WHITE SEED OATS—Our stock are all double re-cleaned Light oats and chaff completely taken out. We can supply you with: SHADELAND, Eclipse; SHADELAND, Climax; COMMON WHITE. Write for prices.

OREGON RED OATS—A comparatively new oat of unusual merit as a grain for hay. Sown in thin alfalfa it will boost the hay yield and produce a better hay combination. Write for prices.

KANOTA RED OATS—Asked why he thought Kanota oats were better, one of our California customers answered. "They mature 10 to 14 days earlier than other Red Oats planted under similar conditions, produce taller, finer straw, finer leaves and heavier heads, shows a higher test weight per bushel. The kernel is heavier in proportion to the size of the grain than other oats and Kanotas resist lodging to a remarkable degree." A recent test at Davis, California on the University Farms Kanota Oats yielded 85.2 bushels per acre against 52.6 for California Red Oats. Write for prices.



Kanota Red Oats

— Barley —

SUCCESS BEARDLESS BARLEY—This variety brought out and successfully featured by Washington State College, has proved more than was anticipated in the Rogue River Valley. A heavy yielder that will not lodge and almost devoid of beards. Write for prices.

COMMON BEARDLESS BARLEY—While a small percentage of beards will be found in this sort, we believe our stock is as free of beards as is possible to secure. Write for prices.

BEARDED BARLEY—Grown usually for the the grain. Hardy and a heavy yielder. Our stock of this type is always of highest grade. Write for prices.

HULLESS OR BALD BARLEY—An early spring variety, beardless, of high feeding value. It can be fed to all livestock and is especially valuable when used in a mixed ration. Hulless Barley is a heavy cropper and makes an excellent hay, being free of beards. Threshes out clean like wheat. Prices upon application.

— Wheat —

FEDERATION—A variety of beardless wheat that is gradually taking the place of Club and Bluestem. Especially recommended for rich ground as it does not lodge badly. Can be sown in Fall or Spring, excellent for hay. Write for prices.

EARLY BAART, Bearded Spring—The best known and one of the most profitable spring varieties. It yields well in Southern Oregon and is in demand for milling purposes at higher prices than any other variety of wheat. Write for prices.

LITTLE CLUB—A well known variety that yields heavily in threshed grain and produces a heavy hay crop. Write for prices.

BLUE STEM—This is probably the best known wheat and most profitable as a spring sown crop. Fall planting is not recommended as it lodges badly. Write for prices.

Treat your wheat with Copper Carbonate—the modern method of preventing smut. See page 38. Poison and cannot be mailed.



Federation Wheat

BUY THE BEST — WE DO.

(See Page 29 for LAWN GRASS)

Millets

Prices: 10 lbs. \$1.50, postpaid. Write for quantity prices.

GERMAN OR GOLDEN—An improved variety, yielding a larger crop of seed than the common millet. Also yields a heavier crop of hay. Write for prices.

COMMON MILLET—Earlier than Golden and of dwarfish growth. Some like it best, but it is not equal to German or Golden for quantity and quality of hay.

SIBERIAN MILLET—It is extremely hardy, withstands drought wonderfully and is about two weeks earlier than Golden Millet, growing 2½ to 3 feet in height.



Golden Millet

Field Corn

Prices, Postpaid: Pkt. 10c; 1 lb. 20c; 10 lbs. \$1.50; 100 lbs., price on request.

MINNESOTA NO. 13—The earliest of the early Yellow Dent corns and said to be the heaviest producer, yielding splendid large ears, closely filled from end to end with bright yellow kernels. This variety will average 7 ft. in height, making it an excellent fodder corn. Matures in 90 days from planting under favorable conditions.



Rogue Valley Dent

Leland, Oregon, Sept. 1, 1930.
Dear Sirs: The Minnesota No. 13 seed corn we purchased of you last spring is doing fine; two ears to the stalk and stalks ten to twelve feet tall, ears are also very large and uniformly filled.

Very truly yours, W. P. Long.

ROGUE VALLEY YELLOW DENT—An acclimated corn of excellent habits. Produces heavily of large golden yellow ears. Selected for us by our best corn growers. This variety is sure to produce results that will be satisfactory when husking time comes around.

WISCONSIN WHITE DENT—A tall growing variety; larger eared; 16 to 18 rowed; grains large and white.

Other Field Seeds

SUGAR CANE SORGHUM, EARLY AMBER—A good fodder if cut when the heads form, or good silage if cut when full grown. Early Amber is quick maturing and therefore best for late sowing. Syrup is made from this variety. Sow 5 pounds per acre in drills or 25 pounds broadcast. Write for prices.

EGYPTIAN OR JERUSALEM CORN—It is considered a good grain for dry sections and seasons. It produces several small heads on side shoots, often as many as eight heads on a stalk. The seed makes excellent chicken feed. Sow 8 pounds per acre. Write for prices.

KAFFIR CORN, White—Grows from 6 to 10 feet high and thrives in hot, dry climates. Makes good fodder for cattle and the seed is used for stock and poultry feed. Sown in rows 3 feet apart, using 3 to 5 pounds per acre. Ask for prices.

Vetches

USED more extensively as cover crops in this section. Valuable also as hay. If you are bothered with aphids it is our recommendation that you plant Hungarian as it is aphid-resistant.

HUNGARIAN—A heavier yielder and better able to stand winter freezes than the Common variety. Write for prices.

COMMON—Better known to all. Write for prices.

HAIRY VETCH—A good producer. Write for prices.

Seed Rye

COMMON RYE—Fancy re-cleaned seed. Used for an early pasture crop, or for turning under in early spring. Write for prices.

BEARDLESS SPRING RYE—A splendid sort, very hardy, yielding a heavy crop and much relished by stock. Beards drop off when handled. Write for prices.

"HUMOGERM" will assure a sturdy alfalfa stand. Inoculate the seed this year. See page 23.

SEED INOCULATION

STIMUGERM LEGUME INOCULATION

The Best Inoculation for All Legume Seeds Means Better Crops, Better Soils, Less Fertilizer Expense.

Seeds of all legumes—Clovers, Alfalfa, Beans, Peas, Vetches, etc., will yield far better results if inoculated with STIMUGERM, and in addition leave in the soil a heavy deposit of nitrogen which benefits all succeeding crops. No other inoculator will produce the wealth of nodules obtained by using STIMUGERM.

**Nodules with Nitrogen
worth their weight in
gold**



STIMUGERM is a culture of bacteria especially selected and bred for maximum vitality and ability to form nodules and take nitrogen from the air. It is put up on a pure, sterilized jelly medium, in bottles, containing many millions of active, hardy legume bacteria, guaranteed to produce results.

STIMUGERM is economical and easy to use. Full directions for use accompany each package. STIMUGERM is dated and guaranteed for a full year. When ordering be sure to specify crop and amount of seed you wish to inoculate.

Prices are Low. For small seeds—Clovers, Sweet Clovers, Alfalfa, etc.

1/4 bushel size.....	\$0.35	1 bushel size.....	\$1.00
1/2 bushel size.....	.60	2 1/2 bushel size.....	2.25

New Reduced Prices on Cultures for Large-Size Seeds—Soy Beans, Cowpeas, Peas, Beans, Vetches, etc.

1/2 bushel size....	\$0.35	1 bushel size....	\$0.60	5 bushel size....	\$2.25
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—Prices Postpaid—

A special Garden Size for peas, beans, and sweet peas makes bigger vines, large luscious peas and beans for longer period, and abundant sweet pea blossoms of gorgeous color on long sturdy stems, 25 cents.



Figaro Smoke Salt

Sugar Cures and Smoke-Flavors Meat in one Operation

DO AWAY WITH THE SMOKE HOUSE—USE FIGARO
Use Figaro Salt as you would use ordinary meat salt. It can be used for either a "dry salt cure," a "liquid pickle cure" or the more popular "dry sugar cure." Because of its superiority, the "dry sugar cure" is highly recommended. A ten-pound can of SMOKE SALT will cure 100 lbs. of meat. Per can at our store, \$1.25; Postpaid \$1.50.

We Take Our Field Seeds to a Real Cleaning.

Clover and Alfalfa

WRITE FOR PRICES. It is impossible for us to quote an established price at time of going to press. Markets are continuously changing. Better Clover or Alfalfa seed cannot be found anywhere than the stocks we are able to supply. **WE BUY THE BEST FOR YOU.**

Mountain Grown Common Alfalfa

This is the long-rooted Chilean Alfalfa that comes to us from Surprise Valley in North-eastern California where the seed is grown at a high altitude and where old stands that have withstood the severest kind of weather produce the best seed obtainable today. This seed comes from Pioneer stands that have been producing seed for years. It is the long-lived Common Alfalfa that will produce for you for years after hot-climate seed has been plowed up. Write for quantity prices. **Lb. 40c; 10 lbs. \$3.50. Add postage.**

GRIMM ALFALFA—This is the hardiest alfalfa grown. It survives killing winter freezes, where the Common and other types perish. However, it has been found that in a mild climate it has no advantage over Common, except in shallow soils. It will outyield many varieties in shallow soils that are somewhat dry. The price is high, but due to the fact that Grimm is sown only 8 or 10 pounds per acre, it figures practically on a level with lower priced varieties. Write for quantity prices. **Lb. 55c; 10 lbs. \$5.00. Please add postage.**

Clovers

RED CLOVER—The standard clover for all purposes. Makes an excellent hay when mixed with timothy. Succeeds well on most any soil. Inoculate seed before planting and you'll be sure to get a stand. Write for quantity prices. **Lb. 35c; 10 lbs. \$3.00. Add postage.**

ALSIKE CLOVER—This is a perennial adapted for hay or pasture. A valuable crop for bee pasture. Does well either on poor dry soils or in wet rich soil. Being finer, brighter and not so dusty. Alsike hay is preferred to Red Clover. Write for prices. Inoculate all clovers and be sure of getting a stand. Prices same as Red Clover.



Alfalfa

WHITE BLOSSOM SWEET CLOVER—Grows 3 to 5 ft. high, covered with small white flowers of great fragrance. A great bee plant and an excellent clover for pasture. Used quite extensively for orchard plantings for the humus and nitrogen it stores in the soils. We offer scarified seed. Scarified seed germinates more readily and inasmuch as sweet clover has a very hard seed coat it is advisable to plant scarified seed to insure a good stand. Write for quantity prices. **Lb. 30c; 10 lbs. \$2.50. Add postage.**

Here's what William Lewis, prominent sheepman of Southern Oregon, has to say about Sweet Clover for pasture purposes:

"We pastured 100 head of ewes and their lambs totaling 208 head on 14 acres all summer. One cutting was taken off for hay. There was so much pasture accumulating that 295 extra sheep were put on the field for twenty-seven days. This pasture was on pumice soil which was sub-irrigated. I never saw the beat in all my life."

"No luck with Alfalfa? Inoculate your seed with HUMOGERM and get a fine sturdy stand."

Our Prize Winning Hardy Mountain Grown ALFALFA SEED



A Display of Our Blue Ribbon Prize
Winning Alfalfa Seed

Ribbon No. 1—First Prize, California State Fair, 1930.

Ribbon No. 2—First Prize, Surprise Valley Fair, 1930.

Ribbon No. 3—First Prize, Surprise Valley Fair, 1929.

varieties, alfalfa seed today is not of a true strain unless purchased from districts where these short-lived, light producing and less hardy strains are not tolerated. We offer a true strain of Chilean Alfalfa seed in our Hardy, Mountain-grown seed. We believe it to be the best seed that money will buy. Coming to us direct from the grower who has been supplying us for the past fifteen years, we have found it to be of a quality that stands head and shoulders above any other seed obtainable on today's market.

OUR PRIZE WINNING HARDY, MOUNTAIN GROWN ALFALFA SEED is grown in a mountainous valley in Northeastern California, where winter snows and freezes subject the fields to the most rigorous tests and where the altitude will permit only the most hardy alfalfas to survive. Our Mountain Grown Alfalfa Seed is proved seed. It will produce profitable stands for years. If you plant our seed it will not be necessary for you to plow up the stand and replant after two or three years. To prove the long-lived character of this seed let us add that there are stands on the farm from which our seed is obtained which have been producing heavy crops of hay and seed for the past thirty years. Isn't this proof enough that it will endure and proof also that fields planted to our MOUNTAIN GROWN ALFALFA SEED will outlive those fields planted to intermixed varieties of alfalfa?

RAISE PRIZE WINNING CROPS OF ALFALFA WITH OUR SEED

Small quantity prices are to be found on page 24. If you are in the market for seed in larger quantities be sure to write us before buying. We are pleased to send samples. Before planting alfalfa or clover seed be sure to inoculate with Stimugerm. See page 23 and in ordering be sure to state what crop you want the bacteria for.

Ladino Clover

THE GREATEST PASTURE CLOVER GROWN

LADINO CLOVER WILL PASTURE MORE CATTLE THAN ANY OTHER VARIETY OF CLOVER WE KNOW OF. LADINO IS A PERENNIAL WHITE CLOVER THAT GROWS FROM 12 TO 18 INCHES TALL PRODUCING A MOST PALATABLE FORAGE FOR CATTLE, SHEEP AND HOGS. LADINO INCREASES MILK FLOW, IMPROVES THE SOIL, WILL THRIVE ON SHALLOW MOIST SOILS AND IS THE FIRST CLOVER TO AWAKEN IN THE SPRING AND THE LAST PLANT TO QUIT IN THE FALL. Ladino should be sown in the spring for best results. Prepare the soil early and have it in readiness for sowing. The application of sulphur or gypsum to the soil will quicken the young growth and promote a heavier and sturdier stand. Sow 6 pounds of seed per acre, harrowing in lightly. It is not necessary to grow a nurse crop with Ladino, although many growers plant Rye Grass, Orchard Grass or Fescue with the Ladino claiming that it will prevent bloating. We believe this a good practice. If these grasses are sown with the clover it will not prevent threshing the crop for seed as the grasses named above can be easily cleaned out of the Ladino.



Picture taken in a field of Ladino grown on the mountain ranch of Mr. C. W. Woods at Prospect, Oregon. Mr. Woods and County Agent R. G. Fowler inspecting the stand. The picture shows only a portion of Mr. Woods' 40 acres of Ladino.

The U. S. Department of Agriculture reports that a well-managed Ladino pasture will carry 40 per cent more stock than alfalfa, red clover, alsike or white, and 80 per cent more than blue grass. The protein content is one-half again higher than green alfalfa and three times as great as green corn. Under Oregon conditions it is consistently carrying 4 to 5 cows per acre from early spring until late fall. All classes of livestock and poultry find Ladino very palatable, invariably leaving other clover or grass pasture for it. Cows consistently increase in milk production when changed to Ladino. It is nutritious—in several Central Oregon cases being the entire ration for 4 high-producing cows per acre for seven months of the year. It grows tall enough to be cut for hay and is used extensively as a cover crop and for soil improvement, especially in orchards. Although livestock is less susceptible to bloating on Ladino than on any other legume, in sections troubled with bloating a Ladino and grass mixture is recommended. The following mixture will not cause bloating: Rye grass, 6 lbs.; Ladino, 3 lbs.; or Orchard Grass, 3 lbs., Ladino, 3 lbs.

LADINO CLOVER PRICES—Blue Tag seed, \$1.25 lb.; Red Tag seed, \$1.00 lb.; Pasture Grade seed (contains some Alsike Clover, which is not objectionable), 75c lb. Please add postage. Write for quantity prices.

“FULL VALUE” Fertilizers “PRICED RIGHT”

GROZ-IT---Sheep Manure

If you have a farm, a garden, a lawn, a vegetable patch, or if you are a market gardener you will be deeply interested in GROZ-IT SHEEP MANURE.

The ordinary manure, which is so necessary to plant life, has many objectionable features, when used close to the dwelling. It is unsightly, has a disagreeable odor, draws flies and insects, etc., likewise it is too bulky to be used to best advantage.

In its place we offer you a highly concentrated, pulverized natural sheep manure, packed in sacks, light, dry, odorless, FREE FROM WEED SEEDS and all foreign matter, with a plant food value many times that of ordinary manure.

Realizing the demand for such a fertilizer and wanting only the best manure obtainable we have selected GROZ-IT as the best. GROZ-IT comes from animals fed on cottonseed meal and cake and alfalfa hay (highly nitrogenous foods), is stored and aged for a long period under climatic conditions that remove the moisture and prevent leaching and fermentation. Handled in this manner GROZ-IT contains the necessary plant-food elements, which are lost in manures that are left out in the weather to leach out and ferment.

Use GROZ-IT for lawns, Golf Greens, Flower Beds, for Seed Beds in Nurseries, for Window Boxes and House Plants for the Garden and Trees.

Price: 10 lbs. 50c; 25 lbs. \$1.00; 50 lbs. \$1.25; 100 lbs. \$1.75, packed for mail or freight shipment.

SULPHATE OF AMMONIA. This is one of the best plant foods for forcing leaf growth. For cabbage, lettuce, spinach, etc., it has no equal. Many people labor under the impression that Sulphate of Ammonia is a complete plant food. Such is not the case. If you want to give your plants a “square meal” use our General Fertilizer listed above. **Price: 10 lbs. 65c; 100 lbs. \$5.00 F. O. B Medford. Quantity price upon application.**

SUPERPHOSPHATE. This is a concentrated chemical fertilizer, phosphoric acid, and is the cheapest form in which to secure phosphoric acid. Used for alfalfa, in gardens and on flowers. **Price: 10 lbs. 50c; 100 lbs. \$2.00, F. O. B. Medford.**

Fertilizers for Legumes

EMPIRE GYPSUM—Often called Land Plaster, is a valuable fertilizer for alfalfa and is particularly recommended for stands grown on lighter soils. Use Empire Gypsum at the rate of 200 pounds per acre and double your alfalfa yield. Gypsum is also a valuable agent in freeing heavy soils. Use it in your garden and on your lawn to correct a possible acid condition. Ask for prices.

PEARL BRAND SULPHUR—This excellent soil sulphur has found a welcome among Southern Oregon farmers. Being free flowing, non-clogging and a 99 per cent pure product, Pearl Brand stands head and shoulders above other brands. Use sulphur on clovers and alfalfa grown on heavier types of soil. The application of 100 pounds per acre will show a big increase in yield. Write for prices.

PEAT-MULL

We offer for the first time this season the celebrated G. P. M. PEAT MULL (granulated Peat Moss), a product that is being imported to this country from Germany. PEAT MULL is a humus vegetable material dug from the Peat bogs of Germany. PEAT MULL is very retentive of moisture. It binds sandy soils that will not hold moisture and breaks up heavy soils that are hard to work. It is a plant food as well, that works wonders in the garden. PEAT MULL holds moisture like a sponge. Use it freely. It is an organic material that contributes to the humus content of the soil. It has special root growth promoting substances scientifically known as auximones, comparable to vitamins in food. It is clean, odorless and pleasant to use. PEAT MULL is economical to use. One bale will spread approximately 340 square feet, one inch deep. Use PEAT MULL on soils that pack and bake. It comes in large bales which sell at a very reasonable figure. Write or call for prices.

Swift's Fertilizers

FERTILIZERS



"It pays to use them"

We thoroughly believe that Swift's Red Steer Fertilizers are the best on the market and we know "it pays to use them."

Below are our recommendations for the various crops grown in Southern Oregon and Northern California:

RED STEER BERRY—5-7-8 (Guaranteed analysis). Especially recommended for strawberries and cane berries, also an excellent general purpose fertilizer for soils low in nitrogen. For best results use from 500 to 800 pounds per acre. Write for prices.

RED STEER "E"—3-10-10. This is an excellent and result-producing fertilizer for potatoes, onions and all root crops. Recommended too as a general purpose garden fertilizer. It should be broadcast after the soil has been spaded or plowed, at the rate of 1,000 lbs. per acre. After broadcasting, rake or harrow the fertilizer into the soil to a depth of 3 or 4 inches, and proceed with planting. Write for prices.

RED STEER SPECIAL—2½-10-20. Recommended for onions and bulb crops on soils where heavy deficiency of potash is indicated. Use 800 to 1,000 pounds per acre. Write for prices.

RED STEER ORCHARD DRESSING—6-10-4. Here's a general purpose plant food for fruit trees, vegetables, lawn or garden. For fruit trees where clean cultivation is practiced it has no equal. Use 1 lb. for each year of age of the trees. Use this plant on your vegetable and flower garden, as well as the lawn and watch things spring out of the ground. Write for prices.

RED STEER "C"—3-10-7. Particularly adapted to tomatoes. Apply 500 lbs. per acre and mix with soil in the hill at planting time. Side dress plants later with 300 pounds per acre. Write for prices.

VIGORO

Specially prepared plant food

The Scientific Plant Food Supreme

This new, scientific method of plant feeding used by millions is the result of a demand for a concentrated plant food that would act immediately with satisfactory results. VIGORO has filled this demand and is universally used by home and market gardeners. Grass, flowers, shrubs, trees and vegetables are living things. They, like human beings, must have a balanced diet. Most soils are deficient in plant food. Either nature failed to deposit a good supply originally or the plant food once stored in the soil has been consumed by the plants grown year after year.

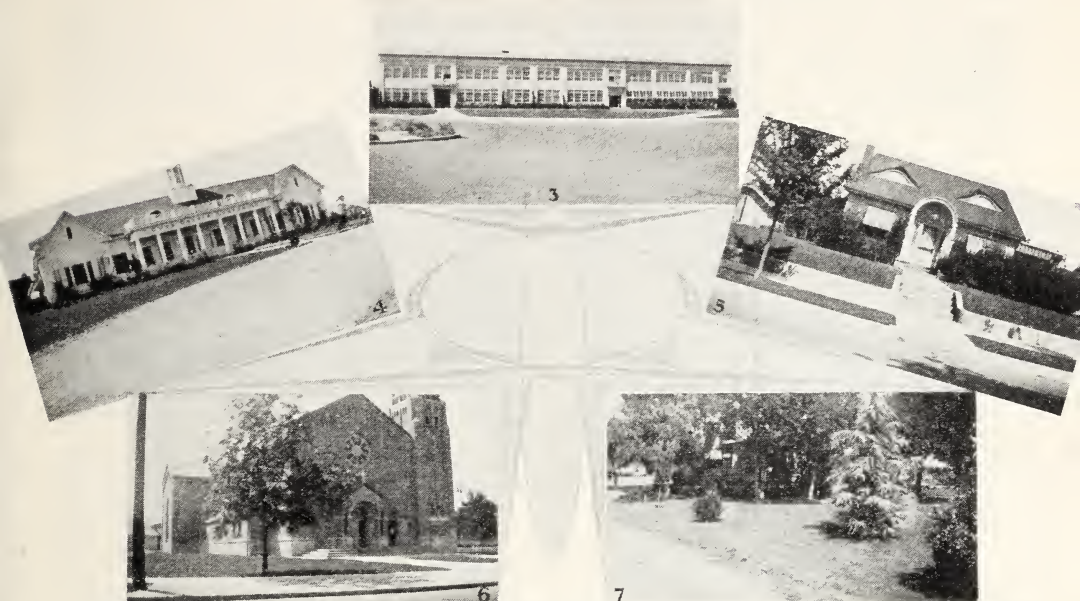
VIGORO, originally formulated for gardeners and nurserymen, is now available to everyone. Its cost of application is surprisingly low—only 10c to 20c for every 100 square feet! Use VIGORO and have a velvety green lawn, beautiful flowers, luxuriant shrubs and a better vegetable garden. Send for illustrated, descriptive pamphlet. Odorless and clean. It can be applied by hand, just like grass seed. Complete directions in each bag. Prices: 5 lbs. 60c; 25 lbs. \$2.00; 50 lbs. \$3.75; 100 lbs. \$6.00, f. o. b. Medford.



SOW

Monarch Tested Lawn Seed

FOR FINER LAWNS



Medford's finest lawns were planted to MONARCH TESTED LAWN SEED.

No. 4—Office Building of Owen-Oregon Lumber Co. No. 3—Medford High School. No. 6—Sacred Heart Church. No. 5—Home of Mrs. Louis Ulrich. No. 7—Home of T. E. Daniels.

MAKING A LAWN. First obtain pure seed. Loosen the soil in which a new lawn is to be made to a depth of at least five inches, and lighten it with humus or several inches of compost, or use well rotted manure you know to be "positively free of weed seeds." Apply fertilizer liberally either sheep manure, bonemeal or a good commercial fertilizer. Sow in the early spring when cool weather and ample rainfall will insure complete germination and a good start for the seedlings before hot dry weather comes. By all means prevent the ground from drying out, even for a few minutes while seed is germinating. Early fall is a fine time to plant. Rake the seed in well and roll so that the soil is firm over the seed. Where seed is sown on an old lawn always cover it with a top dressing of sand or soil and fertilizer. Seed thrown on the top of hard ground has no chance to grow and will merely wash off.

QUANTITY TO USE—On new lawns, use 1 lb. for 200 square feet. To replenish lawns where turf is thin use half quantity.

Monarch "VEL-V-TEE" Mixture

Our "VEL-V-TEE" is made up of fine bladed grasses that will make the most luxuriant turf of lasting quality and extreme beauty. Containing a portion of quick growing grasses it will produce a lawn that will "fill in" while the permanent grasses are becoming established. Price, lb. \$1.00; (by mail \$1.10).

Monarch "ARMORY" Mixture

Many of the finer lawns of the Rogue River Valley have been sown to our "ARMORY" mixture. While it does not contain the finer bladed grasses used in our "VEL-V-TEE" mixture it is made up of the better known grasses that have been used for years in reliable mixtures put out by reliable seedsmen. This is the grass that made the beautiful lawn surrounding Medford's Armory building. The New High School lawn is from our ARMORY Mixture as is the new Pacific Telephone & Telegraph office grounds. Price, lb. 75c; (by mail 85c.)

KENTUCKY BLUE GRASS. We offer this grass seed in three grades, all of extra fancy quality, re-cleaned, free of weeds and high in germination. Extra Fancy 30 lb. seed per lb. \$1.00 (By Mail \$1.10.) Fancy 23 lb. seed per lb. 85c; (by mail 95c.)

WHITE DUTCH CLOVER. Extra fancy seed, free of weeds, of high germination. Per lb. 70c; (By mail 80c.)

GERMAN BENT GRASS. For the finer lawns use Bent Grass. Per lb. \$1.75. Add 10c per lb. if to be sent by mail.

ENGLISH RYE GRASS, Imported. For growing quickly this variety has no equal. It is light green in color, very vigorous, grows well in winter and likes any soil. Does well in shade and makes an ideal lawn for parks and public places where the turf is tramped continuously. Per lb. 50c; (by mail 60c.)

Monarch Flower Seeds

The following abbreviations are used to acquaint those ordering with the physical nature of plants: "H" for hardy; "HH" for half-hardy; "T" for tender; "A" for annual; "R" for biennial; "P" for perennial.

AGERATUM (HHA) (Floss Flower)—Valuable for bedding, as it is literally covered with blossoms all summer. Sow seed in early Spring in boxes to transplant, or sow outdoors and thin to 4 to 6 inches when ground is warmed and frost past. **BLUE.** Pkt. 10c.

ALYSSUM (H. A.)—Dainty little white flower. Fine for borders, edging and rock work. Sow thickly in borders so as to form masses. Sow in Spring or Fall. Pkt. 10c.



Asters

ASTERS—Can be depended upon to produce blooms at a time when flowers are very scarce in the home-garden. Plant plenty of them, you'll never regret having done so. We can supply varieties below in all colors separately.

CREGO'S GIANT ASTERS—A giant, shaggy petaled type, with very large flowers having long, twisted petals. The stems are long and the variety is early and branching. Per pkt. Mixed 10c.

CALIFORNIA GIANT ASTERS—Twisted Petal Type—with petals a little broader than Crego's and less twisted. Growth is fairly compact like the old Comet variety. The fine large flowers over 4 inches across are born on long stems. Mixed per pkt. 20c.

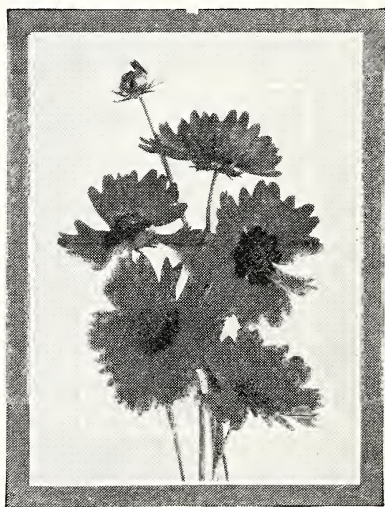
AMARANTHUS (Joseph's Coat) (T. A.) 2½ feet tall. The under foliage is of blackest bronze, tipped with green, while the outer foliage is bright scarlet and gold. Pkt. 15c.

BACHELOR'S BUTTON (H. A.) (Centaurea Cyanus)—Often called Corn Flower. Produces flowers on tall stems varied in color and excellent for cutting. Pkt. 10c.

BALLOON VINE (T. A.)—A rapid growing climber. Blossoms very small and white. Light graceful foliage. Bears curiously inflated seed pods. Sow seed where it is to remain in a light, warm soil. Pkt. 10c.

BALSAM (Lady Slipper) (H. H. A.)—An old and favorite garden flower. It likes the hot sun, rich soil and plenty of water. Set plants from 12 to 18 inches apart. Transplanting two or three times tends to dwarf the plant into better shape, also makes flowers more double. Pkt. 10c.

CALLIOPSIS (H. A.)—Six inches to 2 feet. Very graceful border plants, supplying throughout summer an abundance of elegant showy flowers which are prized for bouquets. Will thrive in most any soil. Pkt. 10c.



Calliopsis

CANDYTUFT (Iberis) (H. A.)—The Candytuft are fine and profuse bloomers. They soon flower from seed and remain long in beauty. Fine for massing in beds and borders, and are greatly prized as cut flowers. Mixed per pkt. 10c.

CARNATION (Marguerite) (H. A.)—Long prized as a hardy border flower. Known to all from time beginning. Pkt. 15c.

CASTOR BEAN (*Ricinus*) (H. A.)—Those stately, strong growing plants in Medford's park presenting a tropical appearance were *Ricinus*. Well adapted as center plants, and claimed by some to keep moles out of the garden. Pkt. 10c.

CALENDULA (Pot Marigold) (H. A.)—The well known pot marigold prized by our grandmothers. Excellent for borders, and almost indispensable in the flower beds. Pkt. 10c.

CANARY BIRD VINE (T. A.)—A dainty vine with beautiful cut leaves and pretty, delicate flowers of clear canary-yellow. Resembles the color and shape of the bird, hence the name. Pkt. 10c.

CARDINAL CLIMBER (T. A.) 25 ft.—A very attractive, strong and rapid grower, attaining a height of 25 feet, with beautiful fern-like lacinated foliage. Delights in a warm, sunny location and good, rich soil. Pkt. 15c.

CENTAUREA IMPERIALIS (Sweet Sultan) (H. H. A.) Grows to height of 2½ feet. One of the most satisfactory cut flowers. Beautifully colored flowers borne on long strong stems; when cut will last for several days. Pkt. 10c.

CLARKIA (H. A.)—Clarkias are popular summer annuals, all perfectly hardy; can be grown with utmost ease in ordinary soil. Mixed colors, pkt. 15c.



CINNAMON VINES are the most desirable, easiest grown climbers in the world. They are from China, the land of wonders. Their racemes of bloom perfumes the air for a long distance. No words can describe their delicious fragrance. Extra large size tubers 15c each. Postpaid. Giant size 25c. Postpaid. (See illustration).

COSMOS (H. A.)—Seed sown indoors in March or April and transplanted to open ground will produce plants 3 to 5 feet high by September. Cosmos makes an attractive flower in pink, red and white for cut flowers, lasting well when cut. Pkt. 15c; (either straight or mixed colors).

COBAEA SCANDENS (Cathedral Bells) (T.A.)—Climbing to 30 feet. One of the handsomest and rapid growing climbers. Flowers are bell-shaped and open a clear green but turn a beautiful purplish blue or lilac. Seed should be sown edgewise. Very prolific bloomer. Pkt. 10c.

CONVOLVULUS (Morning Glory) (H. A.)—The morning glory is too well known to need description, and seldom does one find a more satisfactory vine.

IMPERIAL JAPANESE. Pkg. 10c.

TALL KINDS MIXED. Pkg. 10c.

DAHLIA—Few people know the fascination of growing Dahlias from seed. Easy of culture, more seed of this popular flower should be sown. Blooms and tubers from seed in one season. Cactus Mixed per pkg. 15c; Hybrid mixed, pkg. 35c.



Calendula

DAISY, Shasta (P.)—A fine perennial plant, bearing large, white, single blossoms, with yellow centers; an excellent cut flower Pkt. 10c.

DELPHINIUM (P.)—Few plants are as handsome in the garden as Perennial Larkspur. There are many species in cultivation some of which we list below.



Delphinium

Flower Seeds—(Continued)

DELPHINIUM—Cont'd.

BELLADONNA—Flowers clear turquoise blue. Pkt. 20c.

FORMOSUM—Bright blue flowers with white center bee. Pkt. 20c.

GIANT HYBRIDS—A fine strain with colors from pale lavender to deep violet. Grows extra fine tall stalks. Pkt. 25c.



Dianthus or Pinks

DIANTHUS (Pinks (P.))—Nothing prettier than the old fashioned Japanese Pink. They should be in every garden. They are hardy, about one foot high, and bear beautifully colored single and double blossoms in profusion all summer. Sow seed early in boxes and transplant, or sow in rows where plants are to remain and thin.

HEDDEWIGII (Japanese Pink) — Pkt 10c.

PLUMARIUS (Grass Pink)—Pkt. 10c.

PLUMARIUS DOUBLE (Double Clove Pink)—Pkt. 10c.

DIGITALIS (Foxglove) (P.)—Sow the seed during the summer or early fall and later transplant the seedlings to where they are to stand permanently. Grow two to three feet high, and should be planted two feet apart. Mixed, pkt. 10c.

DIMORPHOTHECA, *Aurantiaca* (Golden Star of Veldt) (A.)—Rare and very showy annual from South Africa, having daisy-like flowers of glossy salmon-orange shade with black central ring. Pkt. 15c.

ESCHSCHOLTZIA (California Poppy) (H.A.)—Needless to give this attractive early bloomer a description, except to say that it is obtainable in colors ranging from creamy white thru pinks and yellows to red. Per pkg. mixed, 10c.

EVERLASTING FLOWERS—Popularity has greeted these straw flowers from every side. Drying is a simple matter. Cut before fully expanded, bunch like sweet peas and hang on a line in a warm, dark, dry room. They will dry thoroughly in ten days.

HELICHRYSUM, mixed per pkg. 15c.

STATICE, Russian mixed, per pkg. 15c.

ACROCLINIUM ROSEUM. Pkt. 10c.

FORGET-ME-NOT (*Myosotis*) (P.)—An old favored low growing flower bearing clusters of dainty, blue, pink and white blossoms in spring. Thrives in the shade. Pkt. 10c.

FOUR O'CLOCK (H. A.)—Seed should be sown in the open. Grows three feet high and thrives best when spaced 18 inches. Colors mixed per pkg. 10c.

GAILLARDIA (P.)—A very showy garden plant with brilliant flowers in scarlet and yellow, blended and shaded. Blooms freely from early summer till autumn, on long, slender stems.

GRANDIFLORA, Mixed, pkt. 15c.



Gaillardia

GEUM, Mrs. Bradshaw (P.)—Attractive perennial producing showy scarlet flowers all through the summer. Height 2 feet. Pkt. 15c.

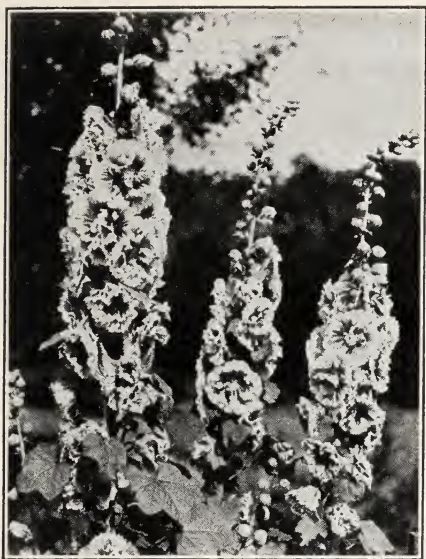
GODETIA (H. A.)—Produces attractive free flowering plants, growing a foot or more high. The satiny, showy flowers are borne in great abundance. Tall Sorts, Fine Mixed. Pkt. 15c.

GOURDS (A.)—Many of these besides having interesting fruits are very ornamental when used as climbers.

Mixed Ornamental Varieties. Pkt. 10c.

GYPSOPHILA (Baby's Breath) (P.)—An excellent lacey-like flower prized for bouquets. **PANICULATA**. Pkt. 10c.

ICE PLANT (*Mesembryanthemum*) — The thick leaves seem to be covered with crystals. Pkt. 10c; ¼ oz. 50c.



Hollyhocks

HOLLYHOCK (P).—Produces tall spikes of blooms the second spring from seed. Makes a charming hedge or back ground.

DOUBLE VARIETIES. White, Maroon, Rose, Salmon, Yellow, Crimson, per pkt. 15c.

SINGLE VARIETIES: All colors, mixed pkt. 10c.

KOCHIA (Mexican Fire Bush) (H. A.)—Forms dense oval bushes, from 2 to 2½ feet high, light green in color during summer, turning firey red at Fall. Pkt. 10c; oz. 50c.

LARKSPUR (A)—Our selection of double Stock Flowered Larkspur far excels the common annual in form and beauty of color. Comes in Sky Blue, Carmine, Pink and Dark Blue. Per pkt. 15c.

LOBELIA—Elegant little plant of easy culture, completely covered with flowers from June to September.

COMPACTA, Crystal Palace. Deep blue. Pkt. 10c.

MIGNONETTE (A)—Without Mignonette in our garden, something indeed would be missing. Mixed colors. Pkt. 10c.

MARIGOLD—In autumn when many bedding plants have lost their bloom and are past their prime, Marigolds afford a wealth of color that is simply invaluable.

SPECIAL MIXTURE AFRICAN. Pkt. 10c.

DWARF FRENCH MIXTURE. Pkt. 10c.

NASTURTIUMS—For the time and labor required no other annual will produce such a lavish profusion of bloom for so long a time as nasturtiums, and for brilliance and variety of color they are unexcelled.

DWARF MIXTURE. Pkt. 10c; oz. 25c.

SUPERB TALL MIXTURE. Pkt. 10c; oz. 35c.

NIGELLA (Love in the Mist)—A hardy annual 1 foot high, with finely cut foliage and oddly shaped blossoms in blue and white, with curious seed-pods. Of easy culture. Pkt. 10c.

POPPIES—Flowers exceedingly graceful and elegant. Coming into bloom in the early Spring, Poppies serve as one of the best introductory flowers.

SHIRLEY MIXED. Pkt. 10c.

ORIENTAL—The largest Poppy. A hardy plant bearing large brilliant crimson flowers, with a black blotch in the throat. Very showy and attractive, height 2½ feet. Pkt. 15c.

PORTULACA (Moss Rose) (T. A.)—Tender creeping annual, 6 to 8 inches high, bearing glossy, cup-shaped blossoms in very brilliant colors. Flowers love the sunshine and do best on rather dry ground. Pkt. 10c.

RICINUS (Castor Oil Bean)—See page 3.

PANSY—Monarch Mammoth Flowered.

MIXTURE—Pansies are produced in an almost infinite variety of colors and markings. Their brilliancy of shading, extended season of blooming and long keeping characteristics make them general favorites. Pkt. 15c.

PANSY PLANTS—We sell thousands of Steele's Mastodon Pansy Plants each spring. Write for prices.

PHLOX (P.)—Large compact heads of bloom from mid-summer till fall, height 2 to 4 ft. Wide range of colors. Plant seeds early in boxes and transplant seedlings once before planting to permanent locations. Mixed. Pkt. 15c.



Pansies

Flower Seeds—(Continued)



Phlox

PHLOX DRUMMONDI (A)—Unrivalled for richness and beauty of color, ranging from white to deepest scarlet and purple. For cutting, for bouquets or for bedding in masses they are unsurpassed. One foot high, hardy. Sow as soon as soil is warm. Transplant about one foot apart. **Large flowering mixed pkt. 15c.**

PETUNIA (H. A.)—For freedom of bloom, variety of color and effectiveness, Petunias have no equal. If only a little care is bestowed upon them, Petunias will produce their handsome, sweet-scented flowers in their delicate and gorgeous colors throughout the whole summer.

SINGLE CHOICEST MIXED. Pkt. 15c.

DOUBLE CHOICEST MIXED. Pkt. 50c.

SINGLE FRINGED MIXED. Pkt. 25c.

PYRETHRUM (P.)—Very ornamental plants blooming in early Spring with Iris. Deserving of wider culture than they have been given to date. Sow seeds early in boxes. Cover lightly with sifted soil and press down firmly. Transplant to permanent location as soon as large enough to handle. Height 1 to 2 feet. Colors: White, Flesh, Rose and Blood Red. **Choice mixed seed. Pkt. 15c.**

Monarch Spencer Sweet Peas

Our grower has devoted years to the production of Sweet Peas. More than two score varieties developed and originated by him are recognized as some of the world's best. We offer many sorts that are not listed below. Some are recent introductions, many are novelties. If you are interested in securing varieties not listed below drop us a line and we will gladly send you a complete list of our stock. Prices are postpaid.

	Whites	Pkt.	Oz.
Avalanche—Giant pure white (new)	10c	50c
CREAM PINK SHADES			
MARY PICKFORD—Dainty cream pink	15c	\$1.00
MISS CALIFORNIA—Beautiful orange-salmon, cream pink	15c	70c
PINK SHADES			
Countess Spencer—Clear pink	10c	40c
Hawlmart Pink—Beautiful pink	15c	50c
Pinkie—Old rose pink (new)	15c	70c
PRIMROSE SHADES			
Dobbie's Cream—Large deep cream	10c	40c
Primrose Spencer—Clear Primrose Yellow	10c	40c
RED SHADES			
CAMPFIRE—Brightest Sunproof scarlet	10c	50c
King Edward—Large blood red	10c	40c
Fiery Cross—Turkey Red	10c	40c
SUNPROOF CRIMSON—Crimson won't fade in the sun	10c	40c
Charming—Deep cerise (new)	15c	60c
LAVENDER SHADES			
Powercourt—Large lavender (new)	10c	50c
Austin Frederick—New rosy lavender	10c	50c
ORANGE-SALMON SHADES			
Doreen—Bright rose carmine (new)	10c	50c
Tangerine — Salmon-orange	15c	60c
PURPLE AND BLUE SHADES			
Jack Cornwall—Large Navy Blue	10c	50c
Mrs. Tom Jones—Large clear blue	10c	40c
Flora Norton—Light Blue	10c	40c
BLUE BIRD—Violet Blue	15c	70c
Mixture of above varieties	10c	30c
Grandiflora Mixture	10c	20c



SALPIGLOSSIS (A.)—Sometimes called Painted Tongue—Showy, funnel shaped flowers of large size. Fine for beds. Half hardy annuals. Sow in hot-bed or in boxes indoors. Fine mixed. Pkt. 10c.

SCABIOSA (Mourning Bride) (H. A.)—Free flowering. The flower stems are long and the blossoms keep well in water. The soft shades predominate. When given plenty of room and the seed vessels are kept regularly picked off, it will last through the whole summer. Owing to its sweetness the bees are very fond of it and its floral flavors also attract all the most beautiful butterflies to the neighborhood. Double Mixed. Pkt. 10c.

SWEET WILLIAM (H. P.)—Remarkably free-flowering plant of brilliant colors, ranging from snow-white to darkest crimson and purple, and emitting a very delicate and refreshing fragrance. May be sown in the open and thinned to 6 to 8 inches. Height 1 to 1½ feet. Single Mixed. Pkt. 10c.

STOCKS—These popular flowers are easily grown, and are so highly fragrant and of such beauty that they deserve a place in every garden.

CHOICEST MIXED. Pkt. 10c.

"CUT AND COME AGAIN." Pkt. 15c.

SALVIA—Very ornamental, flowers borne in spikes of fiery red or crimson; and continues in bloom in open ground until after severe frosts. Start in heat and transplant into light soil, one to two feet apart. Excellent for bedding in masses.

Splendens—Brilliant Scarlet. Pkt. 10c.

SNAPDRAGON (Antirrhinum)—One of the most useful and showy of border plants of almost every color. Splendid cut flower Mixed, pkt. 10c.



VERBENA—Start seed in the house or under glass early in the Spring and transplant after three or four inches of growth. They flower in June and continue strong and healthy until frost. Height 8 to 12 inches. **Finest Mixed Mammoths.** Pkt. 10c.

WALL FLOWER (H. H. P.)—Blooms the first year from seed. Height 1 to 2 feet.

Double Mixed. Pkt. 15c.

WILD CUCUMBER—This is the quickest growing climber on our list. Grows wild-self-sown in many parts of our western country. Pkt. 10c.

Zinnias

COVER COLLECTION OF GIANT FLOWERED ZINNIAS. See the back cover showing our special offer of three packets of the Improved Double Giant Flowered Zinnias. We can supply these in many colors as listed below or in mixed colors at prices shown. Plant more Zinnias for display along our highways. Easy to grow—they produce a wealth of bloom throughout the summer giving you a display that few flowers can produce.



MONARCH DOUBLE GIANT FLOWERED

Giant Burnt Orange. Giant Buttercup. Giant Salmon. Giant Crimson. Giant Lavender.

Separate colors, 15c per pkt.; ¼ oz. 50c.

Our Giant Mixture, pkt. 15c; ½ oz. 65c.

MONARCH DAHLIA FLOWERED—The largest of all Zinnias. New and special varieties have been developed. Mixed colors, per pkt. 15c.

CRIMSON MONARCH—The largest and best red shade. Flowers large. Per pkt. 15c.

DREAM—A fine shade of deep lavender, turning to mauve. Per pkt. 15c.

EXQUISITE—Color is light rose, with center of deep rose. Per pkt. 15c.

ORIOLE—An immense orange and gold bi-color, changing slightly as it ages. Per pkt. 15c.

BUTTERCUP—An immense deep cream yellow of lasting color. Per pkt. 15c.

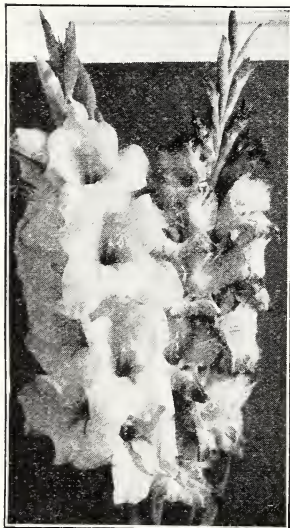
Flowering Bulbs

GLADIOLI — DAHLIAS

BULBS OF BETTER QUALITY—SURE TO FLOWER

Many new varieties listed this year.

Select some for your coming flower garden.



Gladiolus

Gladiolus

HERADA—Blossoms of immense size on tall, straight spikes. The large blooms are pure mauve, glistening and clear, with deeper markings in throat. Each, 10c; Doz. \$1.00, postpaid.

VIRGINIA—Brilliant scarlet. The most popular red variety. A vigorous grower with erect stalks. Fine for cutting and a beauty planted in masses in the garden. Each, 8c; doz. 85c, postpaid.

MRS. DR. NORTON—A delicate pink shading to rose pink at the tips of petals, lower petals are blotched with soft yellow. One of the best. Each, 8c; Doz. 75c, postpaid.

MARY PICKFORD—Flower and spike delicate creamy white, throat soft sulphur yellow. A wonderful flower and quite new. Each, 10c; doz. \$1.00, postpaid.

PRINCE OF WALES—Warm light salmon. Early variety and one of the most remarkable of these shades. Each, 8c; Doz. 75c, postpaid.

ALICE TIPLADY—This is a primulinus type of Orange-Saffron hue, a sturdy grower and a charm for cutting. Each, 9c; Doz. \$1.00, postpaid.

BARON J. HULOT—The leading purple variety with an abundance of bloom out at one time. Each, 10c; Doz. \$1.00, postpaid.

CRIMSON GLOW—A perfect, very large deep scarlet-crimson; flowers on tall, strong spike. Each, 10c; Doz. \$1.00, postpaid.

GRETCHEN ZANG—Pink, blending into scarlet on lower petals. Each, 10c; Doz. \$1.00, postpaid.

GOLDEN MEASURE—This glad is the best of the yellows, very large, deep golden yellow. Each, 10c; Doz. \$1.00, postpaid.

BYRON L. SMITH—Beautiful lavender-pink on white ground, an orchid shade. Each, 15c; Doz. \$1.25, postpaid.

E. J. SHAYLOR—Tall beautiful, pure deep rose-pink. Each, 10c; Doz. \$1.00, postpaid.

ROSE ASH (Ashes of Roses)—A new color in gladioli. A wonderfully vigorous grower. The color is exquisite and difficult of description. Try a few. Each, 15c; Doz. \$1.50, postpaid.

Our Premium Mixture

This mixture sold at a bargain price is not a cheap mixture of common sorts. On the contrary this is a field grown mixture of the finer sorts. Among this mixture will be found many of Kundred's ruffled types. Buy them by the hundred. First size bulbs per dozen, 35c, postpaid; per hundred, \$2.00, postpaid.

Dahlias

AL. KOREN, Dec.—Immense size and perfect formation. A beautiful yellow suffused golden rod amber. Each, 50c, postpaid.

AURORA B., Dec.—Purple with inset petals of white. Grows on long strong stems. Each, 50c, postpaid.

CHARM, Dec.—Burnt orange shading to yellow; large, attractive blooms on good stems. Each, 75c, postpaid.

CITY OF PORTLAND, Peony—A wonderful Dahlia. Color a clear, rich, deep yellow. Immense flowers that are graceful and artistic, held upright on long stems. Each, 50c, postpaid.

CONQUEST, Cactus—Rich crimson of large size with narrow, incurved slightly twisted petals; erect habit; long upright stems. Each, 40c, postpaid.

EMILY D. RENWICK, Dec.—New—A fascinating iridescent rose color. Each, 40, postpaid.

MRS. EDNA SPENCER, Cactus—A delicate shade of orchid pink. Beautiful form and stout stems, free bloomer, vigorous grower. Each, 50c, postpaid.

CATHERINE, Pom, Pom—Bright yellow. Each, 35c, postpaid.

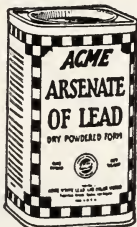
LITTLE BELLE, Pom Pom—Clear Mauve Pink. Each, 35c, postpaid.



ACME INSECTICIDES FUNGICIDES

Acme Arsenate of Lead

For the control of codling moth, cabbage worms, caterpillars, beetles and all other leaf-eating or chewing insects. In mixing spray material use 3 to 4 heaping tablespoonsful of Arsenate of Lead to one gallon of water. For dusting mix one part Arsenate of Lead to 5 or 6 parts of Hydrated Lime. This will be found effective for the Diabrotica Soror, which is the twelve spotted beetle that infests dahlias, etc., also dusted on the silk will prevent corn ear worm and it may be used as a dust for other leaf-eating insects. (1 lb. carton 45c) (4 lb. paper bag \$1.00) f. o. b. Write for quantity prices. Cannot be mailed.



Acme Dry Lime Sulphur



An invaluable spray for the control of fungus diseases such as peach leaf curl, mildew, peach twig borer, pear scab and many other ailments common to deciduous fruit trees. For the above spray with a mixture of 10 to 12 tablespoonfuls of Dry Lime Sulphur to one gallon of water sometime during the month of December and again in the spring when the buds begin to swell.

Peach Leaf Curl is one of the very common fungus diseases and sap oozing from the branches is an indication of this fungus. One spraying will not control it. You must spray twice, as outlined above. Dry Lime Sulphur is also used as a control of Red Spider and it may be used effectively on roses during midwinter or about January first. This for the prevention of Mildew in spraying Citrus trees: Use about 3 tablespoonfuls to one gallon of water.

(1 lb. cans 35c) (5 lb. cans \$1.60). Write for quantity prices. May be mailed.

Acme Garden Guard



Garden Guard is a convenient, practical and economical all around garden insecticide, ready for use as it comes in the package; in a sifter can, easily applied, and very effective in combating the majority of insect pests that prey upon your garden. Applied early in the morning or late in the evening when the dew is on, it will control many chewing insects. The Bordeaux Mixture contained therein serves as a fungicide and will assist in preventing Mildew and other fungus difficulties. Used extensively by market gardeners. (1 lb. package 35c) (5 lb. package \$1.25) f. o. b. Medford. Cannot be mailed.

Acme Bait-M

..Bait-M is a mixed preparation for the eradication of snails, cutworms, slugs, grasshoppers and sow bugs and is highly recommended. It should be broadcast over the ground in the evenings. (1 lb. carton 30c) (3 lb. carton 60c) (15 lb. bag \$2.75) f. o. b. Medford. Cannot be mailed.



Acme Bordeaux Mixture

Prevents blight, rot, mildew, scab, anthracnose and other fungous diseases. 1 lb. carton 45c; 4 lb. bag \$1.10; f.o.b. Medford.

Acme All Round Spray



This combination spray fills a long felt want in the vital combat against garden pests. The preparation includes Arsenate of Lead for chewing or leaf-eating insects. Bordeaux Mixture for blight and fungus diseases, and thirdly, Nicotine Sulphate 40% for aphids and other sucking insects. The Arsenate of Lead and Bordeaux Mixture are mixed in powder form and the Nicotine Sulphate is contained in a small bottle. The whole preparation is packed in a handsome lithographed tin and a complete set of instructions with spray chart is enclosed. (¼ lb. tin 45c) (1 lb. tin 95c) f. o. b. Medford. Cannot be mailed.

ACME SPRAYING GUIDE

Continued from
Acme White Lead and Color Works
Dana, Medford

WHEN AND WHAT TO SPRAY

Continued from
Acme White Lead and Color Works
Dana, Medford

Write for this Fine Guide Free

NAME _____ ADDRESS _____ CITY _____ STATE _____

Insecticides, Sprays, Dusts

PRICES F. O. B. MEDFORD UNLESS MARKED POSTPAID. ITEMS MARKED (*) ARE POISON AND CANNOT BE SENT THROUGH THE MAILS.

***COPPER CARBONATE** — The easiest and most effective manner in which to treat grains to prevent smut. Used at the rate of 2 ounces to the bushel of grain where no infection is noticeable, and at the rate of 4 ounces where smut is bad; control will be complete. Per lb. 35c.

NOTE—Use Arsenate of Lead or Paris Green for leaf-eating insects. For soft-bodied sucking insects such as plant lice, aphids, etc., use contact poisons such as Black Leaf 40 or Nicotine Dusts. To prevent rust, rot or wilt on vines or vegetables use Copper Dusts or Bordeaux.

TREE TANGLEFOOT—A sticky substance used to band trees to keep insects from crawling into them. Keeps ants from carrying aphids into your cherry trees. Apply early in spring. 1 lb. 65c; 5 lbs. \$2.75.

***BLACK LEAF 40**—The best spray for aphids, thrips, leaf hoppers on all trees and bushes, vines, vegetables and flowers. Be sure to emulsify the water into which Black Leaf is to be combined before adding the Black Leaf, with Whale Oil Soap, which we can supply at 25c per lb. bar. Black Leaf prices are f. o. b. Medford. 1 oz. bottle 35c; ½ lb. can \$1.25; 2 lb. can \$3.25; 10 lb. can \$11.85.



***GOVERNMENT FORMULA POISON BARLEY**—For eradication of digger squirrels. Made up fresh weekly. Lb. 25c; 10 lbs. \$2.00.

Dusts

***NIAGARA NO. 6 NICO-DUST**—Used to control aphids on all crops excepting cucumbers, melons and like vine crops. Contains sulphur filler, hence is valuable used as a combination aphid and mildew treatment for roses. Lb. 50c; 5 lbs. \$2.00. Write for quantity prices.

***NIAGARA NO. 10 NICO-DUST**—Used on melons and for squash to combat aphids; effective against squash bugs. The nymph (egg or larvae) of this insect may be controlled by frequent applications, taking special care to cover under side of leaves. Use No. 10 for aphids that survive No. 6. Apply dusts in the heat of day and use a duster. Lb. 60c; 5 lbs. \$2.50. Write for quantity prices.

***NIAGARA ALL-IN-ONE DUST**—A general dust for the home garden and flowers. Contains lead, sulphur and nicotine. Lb. 50c.

***NIAGARA 85-15 LEAD DUST**—This is the dust that worked wonders against the corn ear worm in our valley this past season. Dust every ear with this material and you'll have a bigger percentage of saleable ears. Used also against cabbage worm. Lb. 30c; 5 lbs. \$1.00. Write for quantity prices.



CACHECO GAS BALLS—This is a gas ball, which, when lighted and placed in the proper position down in the runway, pours forth a deadly, poisonous gas that carries death to any living thing in the burrow. Although it means absolute destruction to the rodents it is perfectly safe for the user to handle without injury. It is non-explosive, does not deteriorate with age and is cheaper than similar materials on the market. Sure death to Moles and Diggers. Full directions with your order.

Per dozen. Postpaid.....\$0.50



Snarol

Kills Slugs, Cutworms, Sow Bugs, Snails, Earwigs and Grasshoppers. Merely sprinkle Snarol around and under newly planted vegetation. Insure them against destruction. A sure economical way to preserve the beauty of your garden—the most effective way we know of to wipe out all trace of these destructive pests. Guaranteed by the makers when used as directed. Snarol is not affected by water or rain. You can sprinkle the garden after Snarol has been applied without effecting in any way the value or killing powers. Pound pkg. 40c; 3 lb. pkg. 85c. Cannot be mailed.

Please Add Postage Unless Items Are Marked Postpaid.

INSECTICIDES, SPRAYS—(Continued)

RAT-NIP

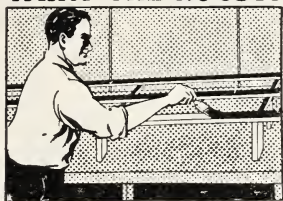
***RAT-NIP**—Kills rats and mice every time. They can't resist it. Not one can escape. Used as a spread on bacon, bread, cheese. **Tube 35c.**

EL-REY—Rat poison gets the rats and mice. Ready to use. A poison grain material scented so as to lure the rats. An attractive poison that they won't pass up. 8 oz. pkg. 35c; lb. pkg. 60c. **Cannot be mailed.**

NAPHTHALENE—An Insecticide for the soil. Prevents and repels all soil pests such as Cut Worms, Slugs, Wire Worms, etc. Plant Naphthalene with the seed and keep your root crops free of ground pests. A product of proven worth. Try some with your seed order. Apply it early when the soil is moist. **Per lb. 15c. Prices on larger quantities upon application.**

HEALTH PAINT—Paints and also disinfects. dries white. Ready to use as soon as mixed with cold water—no waiting or straining. It makes the work of whitewashing and disinfecting a matter of one operation. 5 lb. pkg. 90c. **Please add postage.**

"PAINT" THE ROOSTS



WITH "BLACK LEAF 40"

To kill body lice on poultry, paint the roosts with a thin coating of "Black Leaf 40" (full strength) shortly before roosting time, using ½ lb. to about 100 feet of roost. Under average conditions 2 pounds will paint about 400 running feet of roosts and cross-arms. If roosts have been white-washed, clean off the lime completely before painting. ½ lb. can \$1.25; 2 lb. can \$3.25; 10 lbs. \$11.85, f. o. b. Medford. **Cannot be mailed.**

TOBACCO DUST—Used with a great degree of success in repelling and destroying slugs or snails. Also used for round worms in poultry. 2 lb. pkg. 30c; 10 lb. pkg. \$1.20. **Not postpaid.**

SOLVO-TEX

CLEANSER AND WATER SOFTENER

SOLVO-TEX accomplishes more, requires less time. **SOLVO-TEX** was designed primarily for use around the dairy but its value as a cleanser around the laundry and kitchen make its uses manifold. **SOLVO-TEX** is displacing many of the older cleansers in use for years and there is real reason for the switch to **SOLVO-TEX**. **SOLVO-TEX** does the work quicker and better without injury to the hands. Ask the leading dairymen of the Rogue River Valley why they use **SOLVO-TEX** now in preference to other brands of cleansers. Their answer will invariably be—"We like it better because it works better." A washing powder of merit.

1½ lb. package	\$.35
10 lb. pkg. All prices F.O.B. Medford....	2.00
20 lb. package	3.50

***BLUESTONE (Vitrol)** — Used for treating grains against smut and potatoes against rot, scab and all similar diseases. **Lb. 15c; 10 lbs. \$1.25. f. o. b. Medford.**

TALBOT'S FLEA and MOTH POWDER. Try a package and convince yourself of its effectiveness against these pests. **Pkg. 2 oz. 30c, postpaid.**

ANTROL—Rids your place of ants and keeps them under control. A syrup that is attractive to ants and a sure cure. Guaranteed to keep the ants under control or your money refunded. Set of 4 containers and Syrup, \$1.00 f. o. b. Medford.



SUPERFINE DUSTING SULPHUR—Prepared purposely for dusting grapes for mildew. The fluffiest sulphur with a finely ground carrying agent, offered today. **Lb. 15c; 10 lbs. \$1.00.**

HOOD RIVER TREE PAINT—Prepared expressly for use on cankers, wounds and pruning cuts on fruit and shade trees. Protects from anthracnose, heart rot, etc. **1 Gallon Can \$2.25. Weight 12 lbs.**

GRAFTING WAX—We manufacture our own wax, using the best formula obtainable. This is a high grade preparation. Easy to handle. For pruning or grafting or for covering fresh cuts. ¼ lb. 15c; ½ lb. 25c; 1 lb. 35c; 10 lbs. \$3.00.

When ordering observe whether items are postpaid or f. o. b. Medford.

THE NEW GERMACO HOTCAP

Hotkaps

KAPS" insure against this condition. They not only protect against frost, but shield young plants from wind and insects and eliminate the possibility of the plant being damaged in a heavy rain. "HOT-KAPS" are waterproof. They guard against too much moisture, which frequently causes a delayed and weakened growth.

In California, the home of "HOT-KAPS" and where the most modern methods of culture are applied to "million dollar" crops, growers have discovered that by using this wonderful invention they can plant the seed directly in the field. They have found that a plant seeded in a permanent place is sturdier and more resistant to disease and insects than one that is transplanted. This is important to growers in other parts of the country who now must first plant seeds in hot-beds, then transplant them to cold frames, and again to the field. "HOT-KAPS" mean that the gardener can be first to market and so command a better price for his crops. "HOT-KAPS" more than pay for themselves. They represent the best investment a gardener can make.

"HOT-KAPS" are made of a specially prepared wax paper and are cone-like in shape, measuring about 11 inches in diameter at the base and coming to a point at the top.

"HOT-KAPS" have a flanged edge that is covered with dirt to hold them down. They are water-proof. Rain will not destroy them, nor will it injure or lessen their effectiveness in any way. "HOT-KAPS" are packed one thousand to the package, which weighs 25 pounds. Only the slightest pressure is required to set the cap. The "HOT-KAP SETTER" selling for \$2.50 will prove very helpful where a great number of plants are set. This is a small steel cone, the exact shape of the "HOT-KAP" itself, with a handle at the top. NOTE THE ILLUSTRATIONS ON THIS PAGE CAREFULLY. SEE HOW EASILY "HOT-KAPS" ARE USED.

PRICES—1 roll, \$11.50; 5 rolls, \$11.00; 10 rolls, \$10.75; broken lots, 1½c each. 100 Home Package, including Setter and Tamper \$2.50.

Growers who prepare land and plant seed early in the spring run the dangerous risk of late frosts. Frequently it is too late, then, to plant another crop. Time and effort are wasted; money is lost. "HOT-



1 Place "Hotkap" over plant



2 Place Setter over "Hotkap," exert slight pressure. Edges of "Hotkap" will protrude



3 Heap soil on exposed edge of "Hotkap" to weight down.



4 Lift Setter, leaving "Hotkap" weighted down and in proper place.

DU PONT
Semesan
Semesan Jr.
Semesan Bel

Control Diseases
Hasten Germination
Increase Yields
Improve Quality

The Premier Seed Disinfectants

SEMESAN—This modern disinfectant can be applied in either the liquid or convenient dust form to prevent or control effectively a most diversified variety of diseases and fungous growths borne by seeds, bulbs, corns, roots, tubers, plants, grafts and soils. Semesan is harmless to seed and plant life but extremely poisonous to disease and parasitic organisms.

SEMESAN JR.—A less expensive but equally effective form of Semesan for the dry dust disinfection of both field and sweet corn seeds against the ear, root and stalk rots.

SEMESAN BEL—Applied to whole or cut seed potatoes, either as a dry powder or a whitewash-like water mixture, Semesan Bel has caused in many cases better disease-control and greater yields of disease-free potatoes than any other treatment known.

In
All
Package
Sizes



Prices for Du Pont Semesan

2 ozs.	\$0.50	5 lbs.	\$ 13.00
8 ozs.	1.60	25 lbs.	62.50
1 lb.	2.75	50 lbs.	122.50
Semesan Jr. and Semesan Bel			
1 lb.	\$1.75	25 lbs.	\$ 37.50
5 lbs.	8.00	100 lbs.	140.00

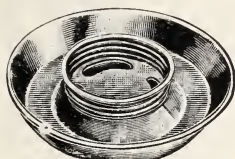
Semesan Disinfectants Make Good Seeds Grow Better—Ask for Free Booklet

ENJOY OUR COMPLETE GARDEN SERVICE.

Poultry Equipment

F. O. B. Medford Unless Otherwise Noted.

STAR FOUNT. No. 32—
A popular Mason Jar attachment for water. Fits any mason jar. Each, 10c; Per Doz. \$1.00, postpaid.



No. 142

ROUND JAR FOUNTAIN, No. 142. Fits any Mason Jar. Being round it will serve more chicks. Easy to clean. Each, 13c, postpaid.

TOP FILL FOUNTAIN Nos. 1, 2, and 4. Made of heavy galvanized iron, with double walls, which keep water cool in summer and retard freezing in winter. Feeds automatically. Fills from the top like an ordinary pail and is as easily cleaned.



Nos. 1, 2 and 4

No. 1—1 gal. capacity; wt. 4 lbs.; price each, \$1.85
No. 2—2 gal. capacity; wt. 6 lbs.; price each, \$2.85
No. 4—4 gal. capacity; wt. 9 lbs.; price each, \$3.75



No. 39

Punch clean holes in the web of the foot.
Petty's Punch. Each.....25c
No. 39 Punch. Each.....50c



Petty's

POULTRY PUNCHES—
Practical punches for marking baby chicks.



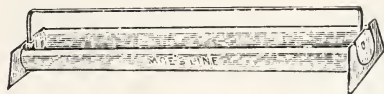
No. 138

HEAVY TIN BUTTERMILK FEEDERS. Feeding troughs in tin plate. Sliding top. Easy to clean. No seams, rivets or solder. Will not poison chicks as do galvanized feeders. A clean, sanitary buttermilk feeder.

No. 137—Lgth. 10 in. Wt.
1 lb. 35c each, postpaid.
No. 138—Lgth. 20 in. Wt.
2 lb. 50c each, postpaid.

INCUBATOR THERMOMETERS. Tested and tried.

Standard. Each.....\$0.75
Certified. Each.....1.10



No. 462

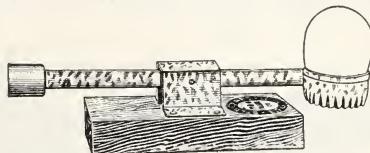
DIXIE FEEDER

DIXIE CHICK FEEDER No. 462. Made of best quality galvanized steel accurately stamped. The round troughs are easily filled and cleaned and have a turned in flange to prevent waste of feed. Width of trough 3 inches. Fitted with heavy wire top guard to keep chicks out of feeder.

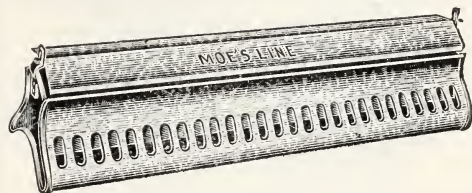
No. 460—18 in. length., Wt. 1 lb., 35c, postpaid
No. 462—30 in. length., Wt. 2 lbs., 50c, postpaid

MOE'S EGG CARRIERS—The Safety First Parcel Post Egg Carrier. One that will take hatching eggs to their destination in perfect condition. Comes complete with wrappers, fillers and gummed address label.

15 egg size, each, 30c; 30 egg size, 50c each.



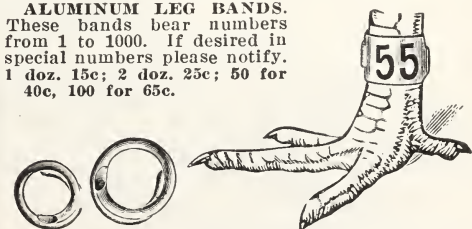
PETALUMA EGG SCALE—Recognized as the favorite egg scale. Made in three sizes, 19, 22 and 24 oz. scales. Each 50c, wt. 8 ozs.



No. 141-T

MOE'S TILTING TOP LARGE CAPACITY CHICK MASH FEEDER—No. 141-T.—A fine feeder for large or small flocks. Tilting or swinging top guard will not allow chicks to dirty the feed. Capacity 17 quarts, length 35 inches, width 8½ inches, height 9 inches. Has 27 feeder openings on each side or a total of 54 feeder holes. Packed one in a carton. Shipping weight, 9 lbs. Price, each, \$2.25, postpaid.

ALUMINUM LEG BANDS. These bands bear numbers from 1 to 1000. If desired in special numbers please notify.
1 doz. 15c; 2 doz. 25c; 50 for 40c, 100 for 65c.



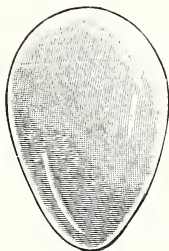
CELLULOID SPIRAL LEG BANDS. Universally used band markers, come in 8 colors and in different sizes to fit all breeds.

Leghorns, doz. 10c; 50, 30c; 100, 50c
R. I. Reds, doz. 15c; 50, 40c; 100, 60c
Plymouths, doz. 15c; 50, 40c; 100, 60c
Turkey, doz. 20c; 50, 60c; 100, \$1.00

Please state color wanted.

Buy "Madrona Brand" Feeds.

Poultry Equipment (Continued)



China Nest Eggs

Each, 5c. Dozen, 50c

Camphorated Nest Eggs

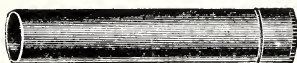
Lice repelling nest eggs.
Keep your hens free from
lice and mites.

Each, 10c. 3 for 25c.

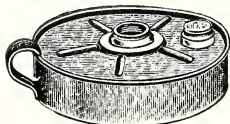
Brooder Stove Pipe and Elbows

Two feet length black sheet iron pipe, elbows of same material.

4 inch diameter, per length	30c
5 inch diameter, per length	30c
4 inch elbows, each	30c
5 inch elbows, each	30c



Incubator Lamp Bowls, Chimneys and Burners



Heavy galvanized
iron bowls for incubators,
brooders and grafting wax pots.

No. 100 bowl, 6 in. diameter, takes No. 1 burner, wt. 1 lb. Each.....	\$0.70
No. 101 bowl, 6¾ in. diameter, takes No. 2 burner, wt. 2 lbs. Each.....	.80
No. 102 bowl, 8 in. diameter, takes No. 3 burner, wt. 2½ lbs. Each.....	.90

Chimneys for Lamp

Bowls

No. 108 fits No. 1 burner. Ea. 30c

No. 103 fits No. 2 burner. Ea. 30c

No. 104 fits No. 3 burner. Ea. 30c



Lamp Burners

No. 1 burner. Each.....35c

No. 2 burner. Each.....60c

No. 3 burner. Each.....85c

Lamp Wicks

For your incubator or brooder lamp. No. 1 burner 3c each. No. 2 burner 5c each. No. 3 burner 5c each.

Meteor Egg Cartons

Made of heavy paper, holding a dozen eggs. A fine container if you wish to put up your eggs in a more attractive manner for sale. Dozen size, 20c dozen or \$1.50 per hundred cartons.

FLEX-O-GLASS

USE IT TO KEEP OUT WINTRY WINDS
AT ONE-EIGHTH THE COST OF GLASS
AND BETTER.

FLEX-O-GLASS is indispensable for poultry house openings, hotbeds, sleeping porches; in fact, you will not be without it once you have used it. A hammer, some tacks and a shears is all that is necessary to install FLEX-O-GLASS.



FLEX-O-GLASS admits the valuable ultra-violet rays of the sun. It is weatherproof and waterproof. The hot summer sun has no effect upon this material. Put chicks in Flex-O-Glass brooder houses. The ultra-violet rays will keep them free from rickets. You'll get broilers for market and laying pullets a third earlier. Use it on your hotbeds, and if you wish to enjoy solid comfort, enclose your sleeping porches with Flex-O-Glass.

SPECIAL TRIAL OFFER. Send \$5.00 for 15 yards of Flex-O-Glass, postpaid to your post office. If you desire larger rolls we can supply 50 to 100 yard rolls. In less than 15 yard rolls, 35c per square yd., to which please add postage at the rate of 5c per yd.

"Madrona Brand" Feeds are Better.

Poultry Remedies

Tonics—Remedies

Prices Not Prepaid, Please Add Postage



DR. HESS' Poultry Pan-A-Min

Makes poultry healthy; makes hens lay; not a stimulant, but a tonic that tones up the dormant egg organs, bringing back the scratch and cackle

and compels each hen to put her share in the market basket.

3 lb. Pkg.	.65
7 lb. Pkg.	1.25
15 lb. Pkg.	2.25



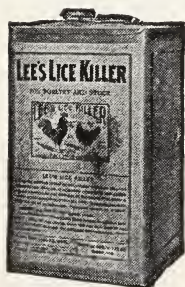
Lee's Germozone

Without a doubt Germozone is the most widely known and used poultry remedy on the market. This remedy is also used for sheep and swine. It controls diarrhoea and cures roup and should be fed regularly in the drinking water of chickens, young and old.

4 oz. bottles	\$0.40 each
12 oz. bottles	.75 each
32 oz. bottles	1.50 each
1/2 gal. bottles	2.75 each

Lee's Lice Killer

For poultry and stock. A special distillate of coal tar and sulphur products prepared with particular attention to uniformity of strength and quality and the preservation and retention of the insecticidal gases or volatile products contained within the fluid. It is prepared exclusively for use as an insecticide. Used as a spray or dip and is painted on roost full strength as a means of disposing of mites and lice. Quart, 65c; 1/2 gallon, \$1.15.



Dr. Hess' Roup Remedy

A standard remedy for the treatment of and prevention of roup, diphtheria and all catarrhal diseases of fowls.

4-Oz. Package	25c
10-Oz. Package	50c



Dr. Hess' Instant Louse Killer

Kills lice on poultry, horses, cattle, sheep ticks, bugs on cucumbers, squash and melon vines, cabbage worms, slugs on rose bushes, etc. Sold in sifting-top cans. **Guaranteed.**

1-Pound Package	30c
2 1/2 Pound Package	60c



A Triple Combination Worm Medicine containing Kamala (for Tape Worms), Nicotine Sulphate (for Round Worms), and Pyrethrum (for Pin Worms)—all in an **INSOLUBLE Capsule.**

5 TIMES AS EFFECTIVE AS WORM REMEDIES GIVEN IN FOOD OR DRINK

Why? It is **INSOLUBLE** and therefore carries through to the gizzard. In the gizzard it is ground up, pouring the correct dose in full strength directly into the intestines upon the worms. No starving birds to force eating of bad tasting food. Gets all three kinds of worms.

The most efficient worm remedy yet devised. Quickly and easy given. Used and recommended by many Agricultural Colleges, Experiment Stations, County Agents and leading poultry raisers.

Two sizes: Adult, for chickens, turkeys, etc., half grown or older. 50-capsule pkg., \$1; 100 for \$1.75; 500 for \$7; 1,000 \$12. Chick size for birds under half grown, \$1 per 100.

If You Want a Treat, Try Hearts of Gold Muskmelon.

Farm Supplies

Prices F. O. B. Medford

Our stock of supplies for the farm will be found complete. Tonics, Remedies, Dairy Supplies, Feeds, etc., are a part of the large stock we carry, some of which are not found in our catalog. We solicit your inquiry when in the need of items you do not find listed herein. We have them and the prices will be right.



KOW - KARE

makes poor cows better and makes more money for cow owners. Prevents abortion, retained after - birth, and cures barrenness.

Medium Cans, weight 2 lbs.....\$0.65
Large Cans, weight 4 lbs..... 1.25

SEND for your copy of "THE HOME COW DOCTOR," it treats on the diseases of cows, their care and proper feeding. It's FREE.

BAG BALM—A soothing, penetrating ointment for bunches, caked bag, cuts, sore teats, chapping and inflammation of the udder. Gives quick relief and cures. Pkg. 65c; weight half lb.

GRANGE GARGET CURE—A positive cure. Never equalled in effectiveness. Pkg. 70c; weight 2 lbs.

SO-BOSS COW HOBBLES—Keeps the cow from kicking. Easily applied; last a lifetime. 2 lbs.; per set 75c. Please add postage to items not marked postpaid.

CORONA WOOL FAT COMPOUND—Corona is unexcelled for barbed wire cuts, bruises, caked udders, sore shoulders, collar boils, scratches, cracked hoofs, etc. Small can 65c.

DR. ROBERTS LAXOTONIC — For constipation, paralysis or stoppage of the bowels in livestock. 4 oz. can 50c.

DR. ROBERTS COW CLEANER—For cows and heifers, for expelling the afterbirth. To prevent retained afterbirth. 1 lb. can \$1.00.

DR. ROBERTS PHYSIC BALLS—Like all of these famous stock remedies Physic Balls will do the work. Pkg. 50c.

DR. ROBERTS CALF CHOLERA REMEDY—Used for the prevention and to overcome scours in all live stock. 8 oz. can, \$1.00.

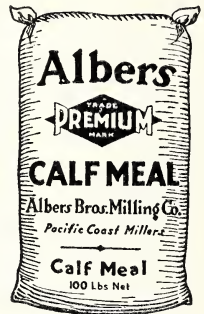
PINE TAR—Used for coughs and colds in stock and in case of distemper. Half lb can 35c.

RABBIT SALT LICK—A medicated salt formed in spool shape with hole in the center so that salt can be nailed up in the hutch. Excellent for rabbits, pigeons and pets. Pack- ed ten cakes in a roll. 2 lb. roll, 50c. Please add postage.

ALBER'S CALF MEAL

—Raise the calves. Keep the heifers of the best cows to re- place the poorer mem- bers of the herd. Calf Meal will raise a calf just as well as whole milk. Save the whole milk. Sold on a money-back guarantee. 25-Lb. Sack.....\$1.75

Write for quantity prices.



BLATCHFORD'S Calf Meal—Probably the most popular Calf Meal on the market today. It raises your calves in the right way. Made of the best materials that money can buy, and always the same. A complete substitute for whole milk. Sold in 25, 50 and 100 lb. bags. Sack, 25 lbs., \$2.00. Write for prices on larger lots.

BOTTLE BRUSHES—Large size, each 75c; medium size, each 55c.

MILK BOTTLES—Plain, no printing. Quarts, weight 1 1/4 lbs., each.....Write Pints, weight 1 lb., each..... for Half pints, weight 3/4 lbs., each.....Prices Write for quantity prices.

PERFECTION PULL MILK BOTTLE CAPS

Write for Prices.

Write for Our Feed Prices.

SANITARY Dairy Equipment

Prices are f. o. b. Medford. If we don't list what you are in the market for just write us for prices.



ATLANTIC COTTON FILTER

DISCS—A compressed cotton disc, circular in shape, well made and a necessity on the dairy farm. We have both the plain discs and the cloth-faced or reinforced type, both quoted below.



Plain discs, 6 in. dia., 100 to pkg., wt. pkg. 1 lb.....\$0.70 pkg.
Plain discs, 6 in. dia., 300 to pkg., wt. pkg. 3 lbs..... 1.75 pkg.
Cloth-faced, 6 in. dia., 300 to pkg., wt. pkg. 3 lbs..... 2.30 pkg.



ATLANTIC STRAINERS—Made of heavy



No. 1010

material, without seams, fitted with latest type filtering discs, all parts removable to facilitate cleaning. Sanitary in every respect.
No. 1010, 12 qt. capacity, 12½ in. top, 5½ in. neck, wt. 5 lbs. Ea. \$2.40. No. 306 Strainer, 6 qt. capacity, 10¾ in. top, 4½ in. neck, wt. 3 lbs. Ea. \$1.50.

ATLANTIC CREAM CANS—Full floated

smooth seams. Every can inspected, tested and guaranteed leak-proof. Body and bottom rest on beaded can ring iron which takes the weight off the rivets. 5 gal. cap. wt. 13 lbs., \$4.50 ea. 10 gal. cap. wt. 20 lbs., \$6.00 ea.



CITY DELIVERY

CREAM CANS—A small delivery can, made of heavy material. Comfortable jug handle, with plug top chained to can. No. CD4, 1 gal. cap., wt. 4 lbs., ea. \$2.00.

ATLANTIC MILK KETTLES—Built primarily for carrying milk or cream but are very handy for many other uses. Made of heavy, long wearing tin plate and are put together with Atlantic thoroughness. 5A Charcoal, Keystone, Mirror Finish Plate, reinforced by steel band, top and bottom, seamless breast and cover.

No. 1802, 2 qt. cap., wt. 3 lbs.....Ea. \$1.25
No. 1804, 4 qt. cap., wt. 4 lbs.....Ea. 1.60
No. 1806, 6 qt. cap., wt. 5 lbs.....Ea. 2.00

ATLANTIC MILK PAILS—Will pass every

dairy regulation. Desired by those who are interested in producing high-grade milk. Heavily tin plated, will give years of service.

No. 4636, 16 qt., wt. 8 lbs., ea. \$3.00. No. 4634, 14 qt., wt. 7 lbs., ea. \$1.65. No. 1112, 12 qt., wt. 5 lbs., ea. 75c. No. 110, galv., 10 qt., wt. 3 lbs., ea. 45c.

Note: No. 4636 is an extra heavy pail for the larger operators. Will outlast any pail on the market. It is a Hooded Pail that will meet sanitary regulations to the letter.

No. 6008—ATLANTIC CALF PAILS

—A galvanized calf feeding bucket, well built of heavy material, very inexpensive. Shallow construction permits calf feeding with danger of spilling minimized. Each, 45c, wt. 3 lbs.



BOTTLE BRUSHES—Large size, each 75c; medium size, each 55c.

MILK BOTTLES—Plain, no printing.

Quarts, wt. 1¾ lbs., each.....Write
Pints, wt. 1 lb., each..... for
Half pints, wt. ¾ lb., each.....Prices
Write for quantity prices.

PERFECTION PULL MILK BOTTLE CAPS.

Write for prices.

DAIRY THERMOMETERS—Floating tube type, used for cooling and churning. Ea. \$1.00, postpaid.

Reliable Sprayers for General Use



BROWN'S AUTO SPRAYS are in our estimation the best that money can buy in sprayers for all purposes.

Auto-Spray No. 9

As a general utility sprayer for garden work and small tree spraying there is no equal to this fine sprayer.



A sprayer that will pay its way in and around the poultry house, the garden and barn. Can be used for all sprays. A few strokes to compress the tank is sufficient to empty the contents of the tank. made of heavy sheet brass or galvanized steel.

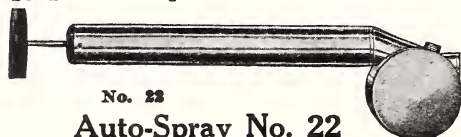
We recommend the brass tank for the reason that it is immune from the destructive work of acids and will not rust or eat out. We quote both. Sprayer is not equipped with extension pipe.

No. 9B, Brass.....\$10.00
No. 9D, Galvanized.....7.00

Armstrong Standard Spray Pump No. 10

A spray pump of a hundred uses. Not merely a bucket pump. It is a bucket, barrel or knapsack pump as desired. The pump is made of heavy brass, will last a lifetime. Heavy pressure is obtainable with little effort.

Price of Pump, wt. 5 lbs.....\$6.00
Price of Knapsack, wt. 6 lbs.....5.00
Send for descriptive circular.



No. 22
Auto-Spray No. 22

An inexpensive hand sprayer, made of good material with heavy leather plunger which if kept oiled will last a long time. Weight 2 lbs. Each, 50c.

Auto-Spray No. 26

A compressed air, continuous sprayer made either in brass or galvanized. This hand sprayer has no equal. It cannot be compared to the cheaper hand sprayers. Its construction is superior in every detail. Illustrated across page.

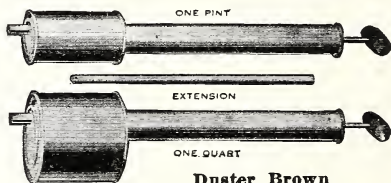
Auto-Spray No. 5

The Double Action High Pressure Sprayer. No. 5 is generally acknowledged to be the most powerful pump of this type manufactured, generates a pressure of 200 lbs. with remarkable ease.



Throws continuous sprays on both the up and down strokes and requires about one-half the energy of other pumps of this type. This pump is equipped with three changes of nozzles, a brass suction strainer, as well as another strainer in the nozzle. A double check against sediment or dirt. Suction end contains strainer, and is weighted to keep it in the bucket or barrel. If you once used this fine sprayer you would never go back to old types.

Price of Pump, weight 5 lbs.....\$5.00
Price of Knapsack, weight 6 lbs.....3.75
Price of curved Extension......75



Duster Brown

Duster Brown

A dust gun of inexpensive cost. Very heavily constructed, a dandy for small garden work. Pint size, wt. 2 lbs.....\$0.90
Quart size, wt. 3 lbs.....1.25

It Sprays Continuously



"Everything For The Garden."

Bee Supplies

NOTE—Hives are packed knocked down, five in a crate, and too large for parcel post shipment. Individual nailed hives can be sent by parcel post. If hives are wanted knocked down in less than lots of five, the nailed price prevails. This is to cover breakage of crates and counting out and sorting of parts. Where less than five hives is wanted it is cheaper to order nailed hives.

MONARCH SEED COMPANY'S WESTERN HIVES, Figs. 75 and 76—A highly finished, substantial, dove tailed pine hive with cover, bottom, super, brood chamber, frames; not including sections or wax. Equipped with section or extracting super (Fig. 76).

	Nailed	5 K. D.	Wt. 5
8 Fr. 1½ Story Hive (Fig. 75).....	Each \$4.25	\$17.00	150 lbs.
8 Fr. 1 Story Hive, without wax or sections.....	Each 3.00	11.00	105 lbs.
8 Fr. Hive Body, empty.....	Each 1.25	4.25	35 lbs.
8 Fr. Hive Body with frames, no wax.....	Each 1.75	7.50	50 lbs.
8 Fr. Hive Covers.....	Each .75	2.85	40 lbs.
8 Fr. Hive Bottoms.....	Each .65	2.50	40 lbs.
8 Fr. Super, complete, no wax or sections.....	Each 1.35	5.75	35 lbs.
8 Fr. Extracting Super, complete, no wax.....	Each 1.35	5.75	35 lbs.

FOUNDATION WAX—Experienced bee-keepers will not dispute the fact that it pays to use wax starter, and use full sheets in the brood frames and supers. Wax starter makes a foundation upon which the bees can build straight and even combs.

Medium Brood, lb.\$0.90
Light Section, lb. 1.00

Write for prices on larger quantities.

BROOD FRAMES—Standard Hoffman Self-Spacing Frame is the one we always supply with our hives unless otherwise specified. The most popular account of its self-spacing feature.

Each\$0.08
Per 100 7.00

Shipping weight per 100, 50 lbs.

SECTION HOLDERS—

Each\$0.05
Per 100 4.50

Shipping weight per 100, 25 lbs.

EXTRACTING SUPER FRAMES—

Each\$0.09
Per 100 8.00

Weight per 100, 40 lbs.

SEPARATORS—Used between each two rows of sections.

Western2c each; \$1.50—100
Eastern3c each; \$2.50—100

BEE BRUSH (Bristle)—Postpaid, 50c each.

WAX TUBE FASTENERS (Van Duesen)—Each, 50c, postpaid.

WIRE EMBEDDERS (Spur Wire)—Postpaid, each, 50c.

BEE ESCAPE (Porter)—Postpaid, each 50c.

ENTRANCE GUARDS—Used to prevent the entrance of strange swarms. Postpaid, each 45c.

BEE GLOVES—Strong, sting proof. Postpaid, per pair, \$1.00.

ALLEY QUEEN AND DRONE TRAP—Automatically catches and cages the drones in a trap where they can be destroyed. Each, postpaid, \$1.10.

BEE SMOKERS (Bingham Doctor)—

Each\$2.00

BIG SMOKE SHIELD—

Each\$3.00

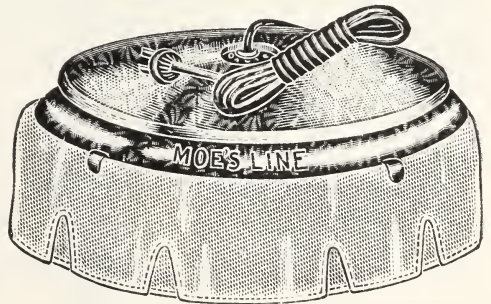
LITTLE WONDER—

Each\$1.50

Prices postpaid.

SECTIONS—White basswood lumber used in their manufacture; 4¼x4¼x1½ standard size. Per 100, postpaid, \$1.85.

Moe's Electric Brooder



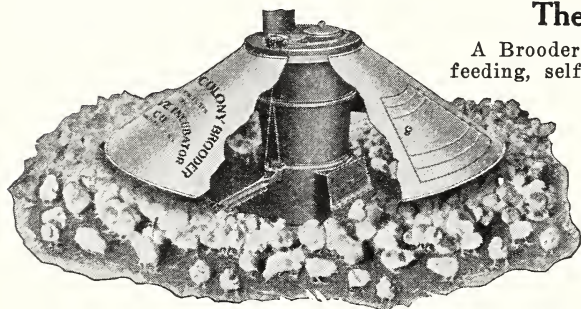
An efficient, clean and economical brooder fitted with a specially constructed heating unit. Will give an even continuous heat properly distributed to insure the health and comfort of the chick. Inexpensive to operate. Capacity 75 chicks. Diameter of Canopy 19 in. Height of Hovering space 6½ inches. Total height 8 inches. Complete with canvas curtain. Packed one in a carton. Shipping wt. 12 lbs. Regularly furnished for 110 volt light circuit, but can also be supplied for 220 volt or 32 volt farm light circuit. Price each, \$10.

Please Add Postage Unless Items Are Marked Postpaid.

Buckeye Colony Brooders

Biggest Brooder Values Ever Offered the Public

The Coal-Burning Buckeye



A Brooder that burns hard or soft coal, is self-feeding, self-regulating, simple, safe and everlasting. Nothing to break—nothing to wear out. Equipped with a double automatic regulator that absolutely controls the temperature every minute of the day and night. Stove is of heavy cast iron, equipped with rocker grate. Self-cleaning and anti-clog.

THE BUCKEYE REVOLVING BROODER CANOPY

All Coal-Burning Brooders are equipped with a revolving canopy, having two doors, eliminating the canopy bail, rope and pulleys, and permitting easier cleaning around the Brooder. Note the following coal capacity, size, and weight of stoves, diameter of canopies, size of grates, and compare them with other Coal-Burning Stoves of the same chick capacity on the market today.

	No. 117	No. 118	No. 119
Chick Capacity	350	500	1000
Height of Stove	20 in.	20 7/8 in.	23 7/8 in.
Diameter of Base	11 in.	12 13/16 in.	13 1/2 in.
Diameter of Grate	8 1/4 in.	9 3/16 in.	10 9/16 in.
Diameter of Canopy	42 in.	52 in.	56 in.
Coal Capacity	23 1/2 lbs.	36 lbs.	58 lbs.
Smoke Pipe	4 in.	5 in.	5 in.
Shipping Weight	75 lbs.	95 lbs.	130 lbs.

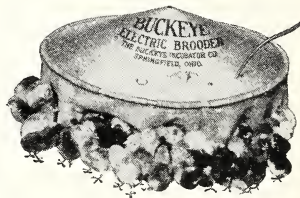
WRITE OR SEE US FOR PRICES

Buckeye "Electric" Brooders

After four years experimental and development work the Buckeye Electric Brooder has been perfected. Poultrymen can now secure a brooder heated by electricity that will give them maximum of brooding satisfaction without the disadvantages that have heretofore been common with brooders of the electric type.

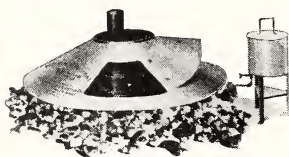
Buckeye "Electric" Brooders are made in four sizes, with capacities of 50, 100, 200 and 300 chicks. These brooders are under-rated and will actually take care of the rated number of chicks

Write for Prices and Descriptive Booklet.



Buckeye "Rite-Heat" Oil-Burning Wickless Brooders

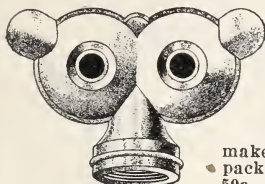
THE BUCKEYE "RITE HEAT" BROODER IS THE GREATEST OIL-BURNING BROODER EVER DEVELOPED.



Buckeye has supplied a brooder that burns oil that will give the same efficient performance as the Coal Burning type listed above. This announcement comes as a relief to those who are not accessible to coal supplies and who have been placed at a disadvantage with improper performing oil burning brooders. "Rite Heat" is wickless, economical to operate and highly efficient. The regulation of a "Rite Heat" is simple, the heat is steady and the stove is absolutely safe to operate. Made in two sizes, 48 inch canopy, 500 chick capacity; 62 inch canopy, 1000 chick capacity.

WRITE FOR PRICES AND DESCRIPTIVE BOOKLET.

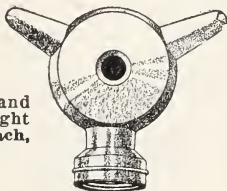
Garden Tools, Nozzles, Sprinklers, Etc.



Twin

TWIN SPRINKLER. Made of metal, brass lined, throws a double shower of water. More water is thrown with this sprinkler than most makes of its type. Weight packed 2 lbs. Price, each 50c.

WILGUS SPRINKLER. The most popular sprinkler we handle. This type is superior in type of construction and does its work well. Weight packed, 21 lbs. Price each, 60c.

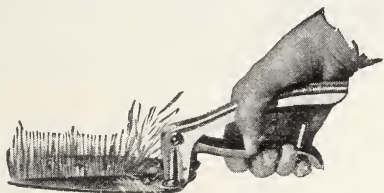


Wilgus



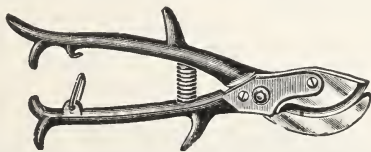
No. 2

TROWEL No. 2. Drop shank, solid socket, hardwood handle. Crucible steel blade, tempered and polished. Wt. 1½ lbs. packed. \$1.00 each.



TRIM AND PRUNE IN COMFORT WITH A DOO-KLIP.

Trim your lawn the easy way. DOO-KLIP GRASS SHEARS—the unique shear that takes all the wrist-tire and finger-ache out of lawn trimming. The easy, natural up-and-down operation does it. Price each \$1.35, weight 2 pounds.



PRUNING SHEARS. We can supply all types of shears made of the best materials.

WISS PRUNING SHEARS, weight 1 lb., \$1.50 each.

SUNSET SHEARS, weight 1 lb., \$1.00 each.

BLAICH SHEARS, weight 2 lbs., \$1.50 each.

MOE'S ROSE SHEARS. A lady's rose pruning shears, nickel plated, length 5 inches, weight 1 lb. \$1.25 each.

CLEAN-CUT PRUNING SHEARS. For light work around berry bushes, shrubs and rose bushes. Length over all, 14 inches, weight 5 lbs. Each, \$2.00.

CARTWRIGHT PRUNING SHEARS. The standard of perfection in heavy shears. Length over all, 30 inches, weight 6 lbs. Each \$3.50.



MOE'S THREE PIECE GARDEN SET. Made of heavy pressed steel, handsomely finished. Shipping weight 2 lbs. Set of three tools 75 cents. Add 15c for postage and packing.

RED STEER FERTILIZERS are best for your garden. See page 28. Years of study on plant foods places us in a position to serve you on your particular plant food problems. Write us for suggestions as to the proper fertilizer for your flowers, vegetable garden, lawn or orchard.



RAIN-KING NOZZLE. A new departure in the line of sprinklers. Made of heavy bronze it will last a life-time. Changing from a coarse spray to a fine mist then closes with but a quarter turn. If you want a better sprinkler invest in a Rain-King. Each \$1.50.

YUCCA TREE PROTECTORS



A Fiber, Wire Banded Protector for Fruit and Shade Trees

Our Yucca Tree Protectors protect your trees from winter freezes, rabbits, borers, squirrels and sun-scald. Yucca is by far the best veneer that has ever been found for Tree Protection. It is fibrous and admits plenty of light and air and is pliable. The wires going entirely around the protector holds it in place even if it cracks some with wear.

	Weight per M.	Price small lots	Per 100 500 lots	Per 1,000
14 in.	90 lbs.	2c each	\$1.75	\$15.00
16 in.	100 lbs.	2½c each	1.85	16.00
18 in.	125 lbs.	2½c each	2.15	20.00
24 in.	150 lbs.	3c each	2.50	22.00

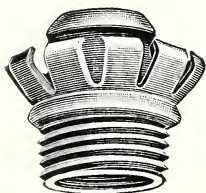
Packed in bundles of 25. We do not split bundles.

Space Won't Permit Our Listing all of Our Line. Come in and get Acquainted.

GARDEN ACCESSORIES—(Continued)



ROSS SPRINKLER—The sprinkler of more than ordinary worth. The Ross will throw more water than any other hand sprinkler on the market, and throw it in such a way as to meet all requirements of a seed-bed, seedling lawn or of established plantings. Made of heavy brass, solidly built, the Ross will last indefinitely. Include one with your seed order. \$1.00 each; weight 1 lb.



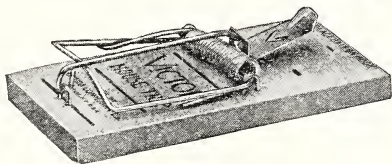
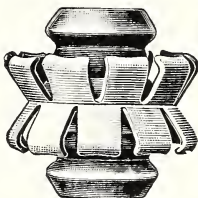
FLARING ROSE SPRINKLER—Similar to the Ross. A winter-while sprinkler. 65c each; wt. 1 lb.



"PERFECT CLINCHER" Hose Repairers. The best hose repairer on the market. Just cut off the hose at the break and by inserting hose into and behind clamps, forcing clamps in with a hammer the hose is mended water-tight in a jiffy.

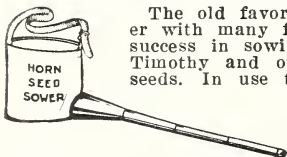
5/8 in. brass. Each.....25c
3/4 in. (same price) Pr. 40c
Postpaid.

"PERFECT CLINCHER" Center Mender. Should your hose spring a leak or crack just cut it in two and make the repair with a "Perfect" Clincher. 5/8 in. galvanized. Each, 20c; 3/4 in. Mender at same price. Postpaid.



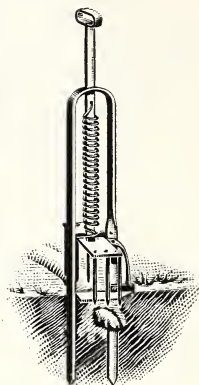
VICTOR MOUSE TRAP. Each.....5c
5 for 20c postpaid, with other goods.

THE HORN BROADCAST SEEDER

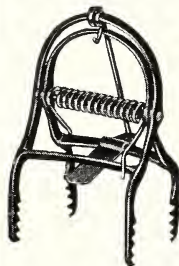


The old favorite broadcast seeder with many farmers. Used with success in sowing clovers, Alfalfa, Timothy and other small, smooth seeds. In use the operator walks back and forth across the field swinging the long spout of "Horn" back and forth, the seed being thrown out by centrifugal force. Shipping weight 2 lbs. Price each. \$1.00. Don't forget postage.

REDDICK MOLE TRAP. The most popular Mole Trap on the market. Made of tinned steel. Japanned steel coil spring. Six steel prongs, 5 inches long. Simple, safe and strong. Pulling up the trigger catches itself, making it a self-setting trap. The Reddick works perfectly in loose soil, but in case of packed or hard soil we do not recommend it. The OUT-O-SIGHT trap is the best trap for use in soil that is pebbly, rocky or packed. Weight 4 lbs. Each, \$1.50.



Reddick

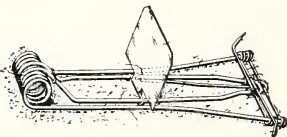


OUT-O-SIGHT MOLE TRAP.

Absolutely reliable. Directions for setting and full directions of the moles habits furnished with each trap. Heavy powerful springs, malleable iron jaws. Teeth designed so as not to injure the hide. Height 8 1/4 inches. Spread of jaws, 2 3/4 inches. Weight each, 1 1/2 lbs. Price, \$1.50.

MACABEE GOPHER TRAP. There are more Macabee Traps sold than all other makes combined. They are inexpensive and very efficient. Designed for exterminating the wily Pocket Gopher. Weight 1/2 lb.

Price, each25c



"CYCLONE" SEEDER

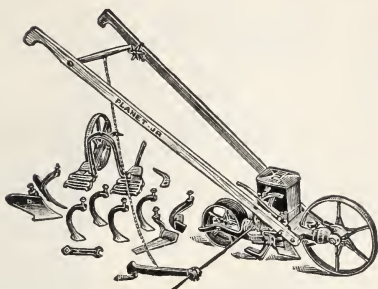
is the most widely known and used seeder of all broadcast seeders. The working parts are all attached to a rigid frame of kiln dried lumber. Built into this is a sloping feed-board that forms the bottom of the seed compartment. It is unnecessary to tilt the machine as gravity keeps the seed flowing down to the outlet until seed bag is empty. Shipping weight 5 pounds. Price, \$2.50.

Please add postage to items not postpaid.

BUY THE BEST — WE DO.

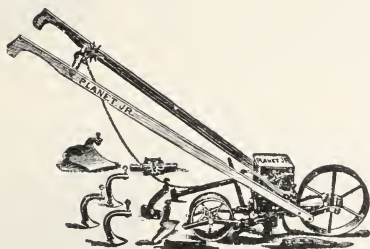
Garden

Planet Jr. Tools

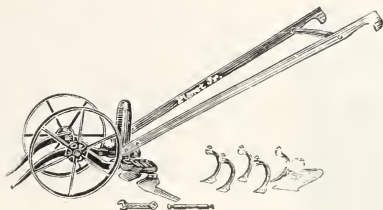


No. 25 PLANET JR. HILL AND DRILL SEEDER, DOUBLE AND SINGLE WHEEL HOE. Sows practically all vegetable seeds in straight rows or drops in hills.

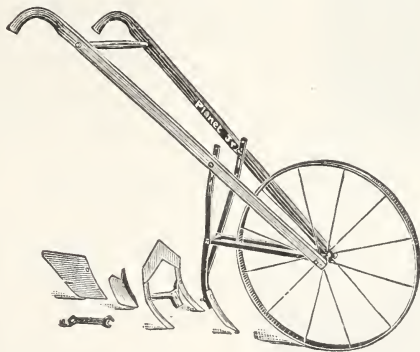
No. 25 includes a double wheel hoe in addition to the equipment of No. 4. With the double wheel hoe you can straddle the row until the plants are 20 inches high, cultivating both sides at one time. Equipment includes a pair of 6 inch hoes, four steel cultivator teeth, a pair of garden plows, a pair of leaf lifters, and the extra wheel and axle bolt. Capacity $2\frac{1}{2}$ quarts. Price, \$22.50. Shipping weight, 60 lbs. F. O. B. Medford.



NO. 4 HILL AND DRILL SEEDER AND SINGLE WHEEL HOE. The biggest selling combined seeder and wheel hoe of its kind. Just what the home gardener or small market gardener wants and needs. Sows in straight drills or drops in hills 4, 6, 8, 12 or 24 inches apart. Capacity $2\frac{1}{2}$ quarts. Cultivating equipment includes a pair of 6 inch hoes, three steel cultivator teeth, a large garden plow and leaf lifter. Complete, price \$19.00; Seeder only \$15.50. Shipping weight 50 lbs., F. O. B. Medford.



NO. 12 PLANET JR. DOUBLE and SINGLE WHEEL HOE. Here is a very popular wheel hoe, garden cultivator and plow for the home gardener; also liked by market gardeners. Equipment includes a pair of 6 inch hoes, four steel cultivator teeth, a pair of garden plows, a pair of leaf lifters. Straddles the row until plants are 20 inches high, cultivating both sides at one time. When plants grow too high it can then be used as a single wheel hoe between the rows. Wt. 33 lbs. Price, \$12.00, F. O. B. Medford.



NO. 119 PLANET JR. HIGH WHEEL HOE AND CULTIVATOR. A sturdy and inexpensive garden plow and cultivator. For those liking a high-wheel hoe this tool is the favorite. In soil that is cloddy a high-wheel cultivator works best. Large 24 in. wheel, $1\frac{1}{2}$ in. rim, strong hardwood frame, complete with plow, wide and narrow cultivator teeth, reversible scuffle blade and wrench. Wt. 19 lbs. Price, F. O. B. Medford, \$4.90.

Bird Supplies

The JUSTRITE Line of Bird Tonics—The Best Ever

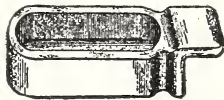
FREE

With a dollar purchase of bird supplies listed on this page we will send you a 63-page book on the care of birds.



Justrite Moulting Food

Guaranteed to aid birds in getting over moult, either in or out of season, quickly and normally, restoring fine beautiful feathers without injuring health or song. Justrite Color and Pepper Food should be fed with Justrite Moulting Food. **Pkg. 30c, postpaid.**

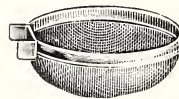


Health Food Cups

Very handy to use both for feeding tonics or for dainties fed to your pets. **7c each, postpaid.**

Justrite Color and Pepper Food

Feed Color and Pepper Food to your songster during and after the moult. It brings out that deep yellow color so much desired by bird-owners. Feed Color and Pepper Food in conjunction with Justrite Moulting Food and possess a bird of more than ordinary song. **Pkg. 30c postpaid.**



Wire Bird Nests

A sanitary nest, durability built. **Each 25c postpaid.**



Justrite Song Restorer

A combination of select and finest quality ingredients that positively will aid the canary in regaining lost song, due to excessive moulting, cold, hoarseness or asthma. Give it to your singer often, even though he is in the best of health. **Pkg. 30c, postpaid.**

Bird Cage Hooks

Handy way of hanging cage to window casing. Will swing around so that bird may be turned either toward window or in opposite direction. **Each (with screws) 35c postpaid.**



Cuttle Bone Large piece, 10c Ppd.

Justrite Vitamin Health Food

A health preserving food, containing Cod Liver Oil, for healthy cage birds, especially canaries. It is highly recommended for breeding birds, weak and young birds. If you include Vitamin Health Food in the diet about once each week, you'll have healthy birds always. **Pkg. 35c Ppd.**



Cage Springs

Always hang your cage suspended from a spring. It gives the bird the pliable action of a twig or limb. **Each, 20c postpaid.**



Justrite Bird Grit

Contains Calcium Carbonate and Charcoal. Bird gravel is to birds what teeth are to people. Keep your birds healthy by feeding Justrite Bird Grit. Containing Calcium Carbonate and Charcoal, this scientific mixture aids digestion and keeps your pet fit. **Pkg., 25c postpaid.**

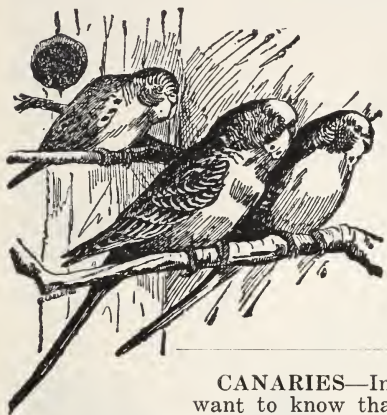
Justrite Imported Bird Seed

A full pound package of fresh re-cleaned imported Canary and Rape Seed. Packed to fill a demand created by fanciers, who know results and economy are obtained with these seeds, and who will not use cheaper mixtures commonly sold by the neighborhood grocer. Contains no hemp, a fattening food that should not be fed as a steady diet. **Pkg. 35c postpaid.**



Birds and Supplies

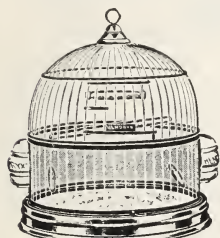
WE CARRY THE LARGEST STOCK OF BIRDS AND SUPPLIES IN SO. OREGON



PARRAKEETS or LOVE BIRDS—Enjoy life with a pair of Love Birds in your home. When once accustomed to their surroundings Parakeets make ideal pets. We offer domestic raised birds, which means stronger and healthier stock. Parakeets are no more of a care than your canary. They will amuse you with their cunning antics, being quite acrobatic. They have an amusing song all their own and one's greatest delight is to hear them talking to each other. We can supply them in three colors as listed below. Prices are f. o. b. Medford.

Bright Green Parakeets.....	\$10.00 per pair
Sky Blue Parakeets.....	14.00 per pair
Cobalt Blue Parakeets.....	16.00 per pair

CANARIES—In purchasing a bird you want to know that your dealer is reliable. We give a guarantee with each singer purchased at our store. If he does not please within ten days you may return him in exchange for another of the same price. We can supply singers at prices ranging from \$5.00 to \$25.00. Write us for prices and description.



No. D-7

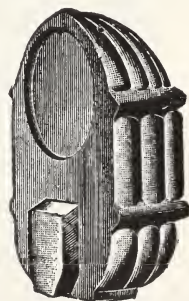
COLORFUL BIRD CAGES—Our No. D-7 cage will more than please you. Priced right. This cage can be supplied in two-tone shades of Leaf Green, Orange and Blue. Be sure to designate colors wanted. Lacquered and well built. Price each, \$4.00, postpaid. **STANDS** to match No. D-7 cage, \$4.50, postpaid.

BRASS CAGE. STYLE C

This is a brass-dipped cage of good style, substantially built. Made of heavy material, with a good finish, this cage will prove a real bargain. Price each, postpaid, \$3.75.

SHELL CUPS

When you break a cage cup drop us a line for replacements. Our price on white shell cups is 20c each, postpaid.



SHELL CUP



Style C.

Redding, California, April 22, 1930.

Dear Sirs:—I am dropping you a few lines about my bird. I got him the sixth of this month when he went to singing at once. He is surely a fine singer, he sings all the time. I thank you for your selection.

Very truly yours, Mrs. W. W. Davidson.

Gold Fish and Supplies



GLASS FISH GLOBES

One of the most popular types of fish bowls. Clear glass of good quality. Stocked with fish, ornaments and aquaria moss these bowls make an attractive ornament for the home. Prices are f.o.b. Medford.

	Wt. Packed	Price Ea.
1 Gal. Round Globe.....	5 lbs. each	\$0.75
2 Gal. Round Globe.....	7 lbs. each	1.40

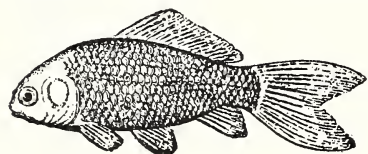
DRUM TYPE AQUARIUMS

All glass, round with flat face and back. Come in two colors, clear glass and sea green. The sea green aquarium is by far the most attractive. The color blends with the fish and plant making a very fine display.

	Wt. Packed	Price Ea.
1 Gal. Drum Type, Green.....	5 lbs. each	\$1.15
1 Gal. Drum Type, Clear.....	5 lbs. each	.90
2 Gal. Drum Type, Green.....	9 lbs. each	2.00

GOLDFISH

When ordering fish to be shipped out of Medford, it will be necessary to allow 25c for shipping bucket, for any number from one to six. For larger number allow 35c. Prices f. o. b. Medford.

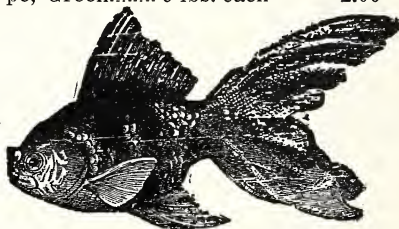


COMMON GOLDFISH

Small fish	25c ea.
Medium fish	35c ea.
Large fish	60c ea.

FISH FOOD

Our natural fish food will keep your fish healthy. Per can 15c, postpaid.



FANTAIL GOLDFISH

Small fish	25c ea.
Medium fish	35c ea.
Large fish	60c ea.

WATER PLANT growing in the aquarium throws off oxygen and it is this oxygen that fish require to sustain life. Also supplies the fish with a certain amount of green food and adds much to the beauty of the aquarium. Per bunch, 35c, postpaid.

RAINBOW COLORED SHELLS

An assortment of shells in many colors. Fine for decorating aquariums. Per pkg., 30c, postpaid.



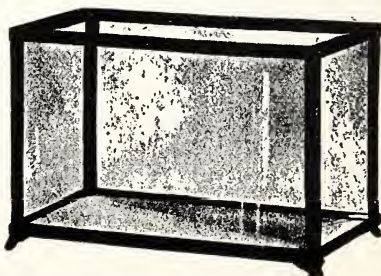
No. 1134

AQUARIUM CASTLES—Your aquarium is not complete unless it contains one of our attractive castles. Made of burnt clay, very attractive in design and sturdy.

No. 596 Castle 2x3 in. high.....	each	25c
No. 1065 Castle 2x3 in. high.....	each	25c
No. 1069 Castle 2½x4½ in. high.....	each	40c
No. 1123 Castle 5x5 in. high.....	each	65c
No. 1134 Castle 5x5½ in. high.....	each	80c



SLATE BOTTOM TANK AQUARIUMS—Made of clear glass, metal corners and top with slate bottom. Square aquariums are the most desirable and can be more attractively decorated. Prices f.o.b. Medford.



	Width	Length	Height	Capacity	Wt. Pkd.	Price
No. 6	6 in.	10 in.	8 in.	6 qt.	8 lbs.	\$ 2.75
No. 8	6 in.	12 in.	8 in.	8 qt.	10 lbs.	4.00
No. 4	8 in.	14 in.	10½ in.	4 gal.	14 lbs.	6.00
No. 8	10 in.	16 in.	12 in.	8 gal.	20 lbs.	10.00

Dog Foods and Medicines



SPRATT'S DOG MEDICINES

Are known world-wide for quality and dependability. Doctor your dog with these good remedies. A stitch in time saves nine. If your dog is not felling well, write us at once for Spratt's book on the care and feeding of dogs. It's free for the asking.

Prices on remedies are f. o. b. Medford.
Add 5c per package if ordered by mail.

SPRATT'S WORM CAPSULES

For grown dogs; for round, maw and tape worms. 60c pkg.

SPRATT'S PUPPY WORM CAPSULES

May safely be given to 6 weeks old puppies. 60c pkg.

SPRATT'S SPECIAL TABLETS

For treating Distemper. State if wanted for puppies or older dogs. \$1.00 pkg.

SPRATT'S MANGE MEDICINE

For treating mange troubles. \$1.00 pkg.

SPRATT'S EAR CANKER OINTMENT

For both external and internal forms. 85c pkg.

SPRATT'S CONSTIPATION TABLETS

A gentle and effective laxative. 60c pkg.

SPRATT'S DIGESTANT TABLETS

For indigestion. 60c pkg.

SPRATT'S CHOREA TABLETS

For Chorea or St. Vitus Dance, Fits. 60c pkg.

ILAK SHAMPOO

Rids the dog of fleas and keeps the hair glossy and fresh smelling. 6 oz. bottle 50c; 14 oz. size \$1.00; quart size \$2.00. Add 10c bottle for postage.

SPRATT'S DIARRHEA TABLETS, 60c pkg.

FLEA POWDER

Rids your pet of fleas instantly. 25c pkg.

SPRATT'S DOG FOODS

Cannot be excelled for maintaining perfect health in dogs. Feed Puppy Cakes to your puppies to help them teeth. Spratt's Dog Cakes (containing meat and the finest cereals) will keep your dog on his toes all the time.



SPRATT'S DOG CAKES

A meaty, crisp biscuit that should be the staple diet of all large dogs.

SPRATT'S FIBO

A granulated food that is especially nourishing and appetizing.

SPRATT'S CHARCOAL OVALS

Every dog and puppy should have a full meal of these biscuits once or twice each week. Stomach conditioner and gas absorber.



SPRATT'S OVALS

A small oval biscuit that is relished by all dogs, large and small.

Prices on Spratt's Dog Foods

DOG CAKES.....	5 lbs. for \$.85
CHARCOAL OVALS.....	5 lbs. for 1.00
FIBO.....	5 lbs. for 1.00
OVALS, plain.....	5 lbs. for .85
PUPPY CAKES.....	5 lbs. for .85

Write for quantity prices.
Prices are f. o. b. Medford.

SPRATT'S CAT FOOD

Contains dried fish, cereals and milk. A mighty fine food for the cat or kitten. Pkg. 1½ lbs. 35c f. o. b. Medford.

KEN-L-RATION THE DOG FOOD SUPREME

A canned dog food that all dogs like and thrive on. Feed Spratt's Fibo mixed with KEN-L-RATION and keep your dog fit. KEN-L-RATION is a combination of meat and cereals containing cod liver oil. Feed it just as it comes from the can, warming it with hot water before serving to the dog.

SPECIAL PRICE
7 CANS FOR \$1.00

Weight of seven cans,
10 pounds.
Price f. o. b. Medford

MADRONA (Brand) FEEDS

BUILT UP TO QUALITY—NOT DOWN TO PRICE

MADE IN SOUTHERN OREGON'S FINEST FEED-MILLING PLANT



MADRONA BRAND FEEDS are as good as the best and better than the rest. Modern milling equipment and careful milling supervision make these good feeds stand out as result producers of highest rank. After all—it is not the cost of the feed that counts so much, as it is the results you obtain from them. Our milling equipment is second to none in the west and an honest ambition to turn out quality feeds should recommend MADRONA BRAND FEEDS TO YOU IF YOU ARE NOT NOW A USER. Our prices are always right, you may be sure of that.

MADRONA EGG PRODUCER

A 20% protein egg mash that is made to produce eggs. One of our customers got better than 70% egg production from 1930 spring hatched pullets six weeks after they started their fall lay. He also told us his birds were in better shape than any flock he had ever owned. MADRONA EGG PRODUCER is machine mixed, contains the best ingredients that money will buy, is a palatable mash that will show results beyond your fondest expectations. Get our prices.

MADRONA CHICK-GROW DEVELOPING MASH

Here's a developing mash containing the most essential ingredients to promote and produce normal and healthy growth in developing pullets. Here are the ingredients of CHICK-GROW: Meat Scraps (not Meat Meal), Alfalfa Leaves and Blossoms, Gr. Wheat, Gr. Oats, Minerals, Cod-liver Oil, Mill Run, Yellow Cornmeal, Oil Meal, Dried Milk, Salt, Gr. Oat Groats and Sugared Hominy Grits. This is a properly balanced and machine mixed mash that will produce pullets which will lay for you when the natural and normal laying period arrives. It does not abnormally force pullets. Just ask the many users of Chick-Grow in Southern Oregon and Northern California if you are a skeptic. A little investigation will prove we are right when we say we have one of the best Developing Mash on the market. Get our prices.

MADRONA DAIRY RATION

This good dairy feed contains 18% protein which according to our best authorities is the proper protein content of a feed where pure alfalfa or clover hay is fed as roughage. Minerals are contained in the feed to provide the necessary mineral requirements of heavy producing cows. Dairy Ration contains ground oats, barley, middlings, corn, bran and oil meals together with minerals as mentioned before. If your cows are not producing as you would like them to, put them on Madrona Dairy Ration. Get our prices.

MADRONA CHICK STARTER MASH

We have this mash, both with and without milk. Like Chick-Grow, our starting mash will not abnormally force young chicks. Some of the best flocks in Southern Oregon have been raised on Madrona Chick Starter Mash. You'll like it if you once try it. Get our prices.

MADRONA CHICK FEED (Chick Scratch)

Made up of cracked wheat, cracked corn, steel cut oat groats and hominy grits. Like our Hen Scratch, our Chick Feed is put through a polisher to remove the waste material so often found in scratch grains. You'll find this feed the cleanest and most uniform scratch you have ever purchased. Get our prices.

MADRONA SCRATCH FOOD

The balanced scratch for your layers. Made of corn, oat groats, wheat and sunflower seed. Packed, as are all MADRONA BRAND FEEDS, in clean branded bags. Our scratch is free of waste matter and the grains are polished and processed to remove any surplus fibrous material. Get our prices on all feeds before you buy. You'll like our feeds better.

INDEX

	Page		Page		Page
Alfalfas	24-25	Egyptian Corn	22	Peat Mull	27
Antrol	39	Fertilizers	27-28	Peppers	15
Anti-Kicking Chains	44	Flea Powder	39-55	Planet Jr. Goods	51
Aquariums & Ornaments	54	Flex-O-Glass	42	Potatoes	19
Arsenate of Lead	37	Flower Seeds	30-37	Poultry Remedies	43
Bag Balm	44	Garget Cure	44	Poultry Supplies	41-43
Barley	21	Gas Balls	38	Poultry Wormer	43
Beans	3-4	Goldfish	54	Pruning Shears	49
Bee Supplies	47	Gopher Traps	50	Pumpkin	15
Beets	5	Grafting Wax	39	Radishes	16
Bird Cages	53	Health Paint	39	Rat Destroyer	39
Bird Seeds and Supplies	52	Hose Nozzles	49-50	Rat-Nip	39
Birds	53	Hose Repairers	50	Red Top	20
Black Leaf "40"	38-39	Hose Sprinklers	49-50	Rutabagas	18
Bluestone	39	Hot Kaps	40	Rye	22
Bordeaux	37	Kaffir Corn	22	Rye Grass	20
Bottle Caps	44	Kale	9	Salsify	16
Bottle Brushes	44	Kanota Oats	22	Salt	40
Broccoli	6	Ky. Blue Grass	20	Seeders	50-51
Brome Grass	20	Kohl Rabi	9	Semesan	40
Brooders	47-48	Kow-Kare	44	Smoke Salt	23
Brussels Sprouts	6	Ladino Clover	26	Snarol	33
Bulbs	36	Lawn Grasses	29	Spinach	16
Cabbage	6	Leek	10	Sprayers	46
Carrots	7	Lettuce	53	Spray Materials	37
Calf Meal	44	Love Birds	53	Squash	17
Calf Scour Remedy	44	Mangel Wurzels	5	Stimugerm	23
Canaries	53	Millets	22	Strawberry Plants	1
Casabas	11	Mouse Traps	50	Sudan Grass	20
Cauliflower	7	Mole Traps	50	Sugar Cane, Sorghum	22
Celery	8	Muskmelons	11	Sweet Peas	34
Clovers	24	Mustard	10	Timothy	20
Copper Carbonate	38	Napthalene	39	Tomatoes	13
Corn, Field	22	Oats	21	Tree Paint	39
Corn, Sweet	9	Okra	14	Tree Protectors	49
Cow Physic	44	Onions	13	Tree Tanglefoot	38
Cucumbers	8	Onion Sets	13	Trowels, Garden	49
Cultivators, Garden	51	Orchard Grass	20	Turnips	17
Cyanogas	2	Parsley	15	Vetches	22
Dahlia Bulbs	36	Parsnips	14	Vigoro	23
Dairy Equipment	45	Peas	14	Water Softener	39
Dog Foods	55			Watermelons	12
Dog Remedies	55			Wheat	21
Dusters	46			Winter Blue Grass	20
Dusting Sulphur	39			Worm Capsules	43-55
Dusts, Garden	38				



SPRAY YOUR PLANTS

THIS NEW SAFE WAY

EFFECTIVE against most other plant pests, including Cucumber and Melon Beetles, Cabbage Worms, Rose Slugs, Leaf Hoppers, Currant Worms, etc.

SAFE—Kills only insects—harmless to man, live stock, birds and pets.

NON-INJURIOUS—Spray freely on the tenderest plants. Won't injure the ground.

EASY TO USE—Just mix with water and stir. No unpleasant odor.

WON'T GUM SPRAYERS—No bad effect on metal or rubber. Stays in solution and can't clog sprayers.

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16 ounce bottles	2.00
32 ounce bottles	3.50
1 gallon bottles	13.00

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